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ABSTRACT

April 1987 marked the seventh year of the statewide testing program in reading, language, and mathematics mandated by the Arizona State legislature. The Arizona testing program used nationally-standardized norm-referenced achievement tests. The Iowa Tests of Basic Skills (ITBS) were administered to students in grades 1 through 8, the Stanford Achievement Test (SAT-7) was administered to students in grade 9, and the Stanford Test of Academic Skills (TASK) was administered to students in grades 10 through 12. The report first summarizes student performance in reading, mathematics, and language across all grades and then presents a summary of statewide performance by each grade level. In all, 498,231 Arizona students were tested during the week of April 20-24, 1987. The statewide data reported are based on performance of these students who were enrolled in 918 schools in 210 districts. Arizona students scored in the average range in all areas tested on all tests taken, indicating an overall level of achievement at about the national average. Reading scores were above the national average for grades 2, 4, 5, and 9 through 12. Reading scores for grades 1, 3, 7, and 8 were slightly below the national average. Performance in languages was at or above the national average in all Grades. Gains in performance in comparison with 1986 Arizona scores were seen for all achievement areas except reading in grade 3 and reading and language in grade 9. Thirty-eight tables and 28 bar graphs contain testing results. The appendix contains grade equivalents for reading, language, and mathematics for all grades. (SLD)

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Statewide Report

For

Arizona Pupil Achievement Testing

ED348371

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June 1987

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Statewide Report

For

Arizona Pupil Achievement Testing

June 1987

Arizona Department of Education

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July 1987

MEMORANDUM

TO: Members of the Thirty-eighth Legislature
State Board of Education Members
County School Superintendents
Superintendents and Heads of Districts

FROM: C. Diane Bishop C. Diane Bishop
State Superintendent of Public Instruction

SUBJECT: 1987 Arizona Pupil Achievement Testing Statewide Report

It is a pleasure to provide you with this copy of the 1987 Arizona Pupil Achievement Testing Statewide Report. April 1987 marked the seventh year of the testing program which is mandated by Arizona Revised Statutes Section 15-741. This law requires the State Board of Education to adopt and implement a statewide nationally standardized norm-referenced achievement testing program in the areas of reading, grammar and mathematics for pupils in grades 1-12.

This was the third year the Iowa Tests of Basic Skills (ITBS) were given to pupils in grades 1-8, the Stanford Achievement Test (SAT-7) in grade 9 and the Stanford Test of Academic Skills (TASK) in grades 10-12. This report first summarizes pupil performance across all grades and then presents a summary of statewide performance by each grade level.

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INTRODUCTION

This is the seventh year of the Arizona Pupil Achievement Testing Program which is administered to fulfill the requirements of Arizona Revised Statutes Section 15-741 through Section 15-744. This legislation mandates that a nationally standardized norm-referenced achievement test be administered during April to all pupils enrolled in Arizona public schools, grades one through twelve, in the subjects of reading, grammar and mathematics. The legislation exempts the testing of specified groups of handicapped pupils. A revision of the law passed in 1982 allows the governing board of a school district to exempt pupils who are non-English monolingual or predominantly speakers of a language other than English for up to three years.

For 1987, the Arizona State Board of Education adopted three different tests to fulfill this legislative mandate: the Iowa Tests of Basic Skills (ITBS) published by The Riverside Publishing Company for use in grades one through eight; the Stanford Achievement Test (SAT-7) for use in grade nine; and the Stanford Test of Academic Skills (TASK) for use in grades ten through twelve. Both SAT-7 and TASK are published by The Psychological Corporation. For Arizona, pupil scores are reported by subject, subtest and skill at the pupil and classroom levels. Scores are then aggregated to the school, district, county and state levels.

A total of 498,231 Arizona pupils was tested during the week of April 20 through April 24, 1987. This is 19,914 more pupils than were tested in 1986. A total of 6,470 pupils who are non-English monolingual or predominant speakers of a language other than English was exempted from testing. This is 1,795 more pupils than were exempted in 1986. The statewide data reported herein are based on the performance of the tested pupils who were enrolled in 918 schools in 210 districts.

This report briefly describes the tests, test scores and reports that fulfill the requirements of the legislation as implemented by the Arizona Department of Education. It summarizes the 1987 Arizona statewide results across grades and within grade. Discussions of pupil achievement trends and demographic characteristics that may have influenced the findings are included.

DESCRIPTION OF TESTS

The tests administered in the 1987 Arizona Pupil Achievement Testing Program (i.e., ITBS, SAT-7 and TASK) are nationally standardized achievement tests. A standardized achievement test is one that has been administered using specific directions under specific conditions to a representative sample of students from across the nation. This is referred to as the standardization sample. Scores resulting from the standardization administration become the norms that permit test users to compare the performance of a particular pupil or group of pupils with that of typical pupils of the same age and grade.

Each test administered in the 1987 testing program is composed of numerous subtests. Specific sets of subtests are combined to form subjects or content domains (i.e., reading, language, mathematics, etc.). The subjects measured by these tests cover a broader base than just reading, language and mathematics. However, since the Arizona legislature has mandated testing of these subjects they will be the primary focus of this report.

The subjects of reading, language and mathematics are composed of the following subtests:

Grades/Test Series	Subject Areas	Subtests
Grades 1 - 8 ITBS	Reading	Reading Comprehension (R)*
	Language	Spelling (L-1) Capitalization (L-2) Punctuation (L-3) Usage and Expression (L-4)
	Mathematics	Mathematics Concepts (M-1) Mathematics Problem Solving (M-2) Mathematics Computation (M-3)
Grade 9 SAT-7	Reading	Reading Comprehension
	Language	Spelling Language
	Mathematics	Concepts of Number Mathematics Computation Mathematics Applications
Grades 10 - 12 TASK	Reading	Reading Comprehension Reading Vocabulary
	Language	Spelling English
	Mathematics	Mathematics

*The Reading tests at grades 1 and 2 are composed of Pictures (R-1), Sentences (R-2) and Stories (R-3), but only one reading score is given on the reports. Separate scores are given for all other subtests at all levels (e.g., L-1, L-2, M-3, etc.).

Tables 1 and 2 show the subtests, subjects and the number of items for each on the ITBS and the Stanford series respectively.

Table 1

NUMBER OF ITEMS BY SUBTEST AND SUBJECT FOR GRADES ONE THROUGH EIGHT
IOWA TESTS OF BASIC SKILLS

Subtest/Subject	Grade Level							
	1	2	3	4	5	6	7	8
Listening	32	32						
Word Analysis	47	50						
Vocabulary	30	30	30	36	39	41	41	41
Reading Comprehension			44	49	54	56	57	58
Pictures	23	23						
Sentences	14	14						
Stories	19	24						
LANGUAGE SKILLS								
Spelling	27	29	30	36	40	41	41	41
Capitalization	60	66	28	29	30	30	31	32
Punctuation	46	60	28	29	30	30	31	32
Usage and Expression	27	27	33	36	38	40	43	43
WORK STUDY SKILLS								
Visual Materials	28	29	33	36	43	45	49	51
Reference Materials	30	33	33	39	40	41	42	43
MATHEMATICS SKILLS								
Mathematics Concepts	33	36	28	32	35	39	41	42
Mathematics Problem Solving	22	28	24	26	27	29	30	32
Mathematics Computation	27	32	34	37	39	41	42	43
COMPLETE BATTERY	465	513	345	385	415	433	448	458

Table 2

NUMBER OF ITEMS BY SUBJECT AND SUBTEST FOR GRADES NINE THROUGH TWELVE
STANFORD ACHIEVEMENT SERIES, 7TH EDITION
ADVANCED LEVEL AND TASK 2

Subtest/Subject	Grade Level			
	9	10	11	12
Reading Comprehension	60	50	50	50
Reading Vocabulary		37	37	37
TOTAL READING	60	87	87	87
Vocabulary	40			
Listening Comprehension	40			
TOTAL LISTENING	80			
Spelling	50	40	40	40
Language	59			
English		54	54	54
TOTAL LANGUAGE	109			
TOTAL ENGLISH		94	94	94
Concepts of Number	34			
Mathematics Computation	44			
Mathematics Application	40			
Mathematics		48	48	48
TOTAL MATHEMATICS	118	48	48	48

The following four demographic characteristics were collected for each pupil during the test administration: 1) sex, 2) primary language, 3) limited English proficient (LEP) in programs by model and 4) racial/ethnic background. The collection of this information makes possible the analyses of test results for specified groups of pupils.

DESCRIPTION OF REPORTS

The results of the Arizona Pupil Achievement Testing Program are reported at six levels: 1) pupil, 2) classroom, 3) school, 4) district, 5) county and 6) state.

Pupil. Two sets of reports are produced for each pupil. The Individual Pupil Report, designed for use by the classroom teacher, describes the individual pupil's performance by skill, subtest and subject.

The Pupil Home Report presents test results to parents and guardians. A narrative portion guides the parent in interpreting the numeric scores which follow. A graphic display aids the parent in identifying his or her child's strengths and weaknesses.

Classroom. Two reports are provided which list individual pupil scores in classroom groupings. The Classroom Report lists the pupils' subtest and subject scores. This report can be used to compare pupil and total class performance with that of the norm group. Individual pupil and class strengths and weaknesses can be identified by using the information presented on the Classroom Report.

The Classroom Skills Report refines the information presented on the Classroom Report by listing pupil performance on each of the skill areas that make up the subtests for each subject. Thus, areas of pupil strengths and weaknesses can be further delineated.

School. Three reports are produced for each school: 1) School Report, 2) School Skills Report and 3) Analysis by Variables Report. The School Report and School Skills Report are similar in concept, format and function to the classroom reports. These two reports list teachers within a school and the average scores earned by their classes. By comparison, the classroom reports list pupil performance.

The Analysis by Variables Report displays the test results schoolwide by grade for each of the four demographic variables: sex, primary language, limited English proficient (LEP) in programs by model and racial/ethnic background. Scores are presented by subtest and subject. The response categories are as follows:

- Sex - male, female

- Primary language - English, Spanish, Spanish exclusively, Navajo, Navajo exclusively, Other, Other exclusively

- Limited English proficient (LEP) in programs by model - transitional bilingual K-6, secondary bilingual 7-12, bilingual/bicultural K-12, English as a second language (ESL), individual education program

- Racial/ethnic background - White (not of Hispanic origin), Black (not of Hispanic origin), Hispanic, American Indian or Alaskan native, Asian or Pacific Islander

District. Five reports are produced for each district: 1) District Report, 2) District Skills Report, 3) Analysis by Variables Report, 4) District Summary Report and 5) Frequency Distribution of Percentiles. The District Report and District Skills Report parallel those described in the previous sections except that score averages are listed by school. The Analysis by Variables Report provides a districtwide analysis of each variable by grade. The Frequency Distribution of Percentiles displays the cumulative percentage of Arizona pupils achieving at each national percentile rank. The District Summary Report displays the district's score average by subtest and subject together with the county, state and national averages.

County. Five reports are produced for each county. These are similar to those described in the District section above except that district data are aggregated to their respective county level.

State. Five reports are also produced for the state. Once again, these reports are similar to the district report descriptions given above but with district data aggregated to the state level.

DESCRIPTION OF REPORTED SCORES

Four types of scores are used to report the test results presented in this Statewide Report: 1) scale score, 2) grade equivalent, 3) percentile rank and 4) stanine. Scale scores and grade equivalents are examples of developmental scores, while stanines and percentile ranks are examples of status scores.

It is important to realize that some cautions must be taken when interpreting the results of the 1987 Arizona Pupil Achievement Testing Program. These cautions are necessary because the test series used in this testing program are from two different test publishers. While the following descriptions of scores are valid as general definitions of types of scores, it must be pointed out that the interpretations of these scores are dependent upon the test series from which they come. For example, grade equivalents from the ITBS are not directly comparable to grade equivalents from SAT-7 or TASK. This is due to the fact that while the scaling procedures used by the test publishers are similar, the differences in the content of the tests and the differences in the standardization samples used to develop the scales preclude the possibility of directly comparing scores from different tests.

Scale Scores. Scale Scores (SS) use three digit numbers which generally range from 000 to 999. They are continuous across all levels and forms of a specific test. Since they are built on equal-interval scales, the magnitude of a given difference between two scores represents the same amount of difference in performance wherever it occurs on the scale (i.e., the difference between scale scores of 50 and 55 represents the same amount of difference as between scale scores of 260 and 265). When using scale scores one should expect higher scores as well as greater variability among scores from grade to grade. It is important to point out that while scale scores are equivalent across forms and levels of the same subtest (for a specific test publisher), they are not equivalent from one subject area to another. One may compare scale scores for Reading Comprehension from grade 9 to grade 10 within the Stanford series but one should neither compare scale scores for Reading from ITBS to SAT-7 or from Reading on SAT-7 to Spelling on SAT-7.

The major use of scale scores is for measuring achievement growth from grade to grade or year to year.

Grade Equivalents. A grade equivalent (GE) represents the typical performance of students tested in a given month of the school year. You will notice that there seem to be huge differences in the magnitudes of the GE's reported for the ITBS when compared to those of SAT-7 or TASK. This is due to the fact that SAT-7 and TASK report GE's using a decimal point but ITBS does not. A GE of 5.3 on the SAT-7 would be reported as a 53 on ITBS, but the interpretation of these two numbers would be the same; that is, they represent the score achieved by the median pupil in fifth grade after three months of instruction. (Please note that as mentioned previously, GE's from ITBS are not to be

compared with GE's from either SAT-7 or TASK.) On the ITBS, GE's range from PO (prekindergarten) to 139 while GE's on SAT-7 and TASK range from PK (prekindergarten) to 12.9. Scores above 12.9 are reported as PHS (post high school) for SAT-7 and TASK.

The GE should be regarded as an estimate of where a pupil is along a developmental continuum but not where the pupil should be placed in the graded organization of the school. For example, a third grader taking a third-grade mathematics test might earn a GE of 59. This means that this third-grade pupil scored as well as an average fifth-grade pupil on the third-grade test. This score is above average for third grade but does not mean that the pupil can do fifth-grade work.

Grade equivalents for Reading, Language and Mathematics are provided in the Appendix to the Statewide Report by grade for the nation, the state and all schools, districts and counties.

Percentile Ranks. A percentile rank (PR) indicates a pupil's status relative to other students in some defined norm group. They range from 1 to 99 and give the percentage of pupils in the norm group who achieved lower scores. Thus, if a pupil receives a PR of 63 it means that sixty-three percent of the pupils in some norm group scored lower than this particular pupil. PR's have no interpretive meaning in themselves. They must always be used in conjunction with some norm group (most often this is the group of pupils in a given grade that were part of the national standardization group). Percentile ranks are not built on equal interval scales and so the difference between PR's of 10 and 15 is not the same as the difference between PR's of 50 and 55

in terms of pupil ability. Another way of saying this is that the PR scale is nonlinear. For example, a scale score of 30 may be a PR of 17 while a scale score of 40 on the same test may be a PR of 20 (10 points difference on SS = 3 points difference on PR). Furthermore, a SS of 120 may be a PR of 63 while a SS of 130 on the same test may be a PR of 80 (10 points difference on SS = 17 points difference on PR).

Two types of percentile ranks are reported for grades 1-12 for the 1987 Arizona Pupil Achievement Testing Program. Individual percentile ranks were reported for individual pupils on class lists returned to the schools. They are also used for the group data (sex, primary language, racial/ethnic, etc.) reported for analyses by variables. Both individual and group percentile ranks were reported for class, building and district summaries returned to school districts. Group percentile ranks are used to report total state achievement summaries and comparisons with national averages.

Individual percentile ranks are developed from the distribution of individual pupil scores in the standardization samples. Group PR's, as the name implies, are derived from the distributions of averages of entire systems in the standardization sample. While the interpretation of these types of PR's is the same they have different characteristics. This is due to the fact that distributions of averages are much less variable than distributions of individual scores. Simply stated, this means that no building average is as low as the lowest scoring pupil or as high as the highest scoring pupil. When individual PR's are used with building averages they will tend to range from 15 to 85. However, when building PR's are used with building averages the

range is from 1 to 99. The relationship between pupil and building percentile ranks is shown below (data based on Reading Comprehension, Grade 6, ITBS Spring Norms).

Pupil or Average GE Score	Pupil PR	Building PR
103	97	99
83	79	93
73	60	65
68	50	43
63	40	23
53	22	4
43	8	1

Of course, similar differences between pupil and building (or system) PR's occur on the Stanford series.

Stanines. Stanines are normalized standard scores with a mean of 5, a standard deviation of 2 and range from 1 to 9. Stanines may be regarded as rather coarse groupings of percentile ranks.

Percentile Ranks	Stanine
96 and up	9
89-95	8
77-88	7
60-76	6
40-59	5
23-39	4
11-22	3
4-10	2
less than 4	1

Unlike PR's, stanines are approximately equal-interval scores. This means that the difference between stanines 2 and 4 represents about the same difference in ability as the difference between stanines 5 and 7. This

property allows stanines to identify broad performance categories as follows: stanines 1, 2 and 3 indicate below average performance; stanines 4, 5 and 6 indicate average performance; and stanines 7, 8 and 9 represent above average performance.

One last difference should be noted between reporting methods used by the different publishers. On the ITBS, the scale score is converted directly from the pupil's grade equivalent. However, on SAT-7 and TASK the scale score is converted directly from the raw score. The grade equivalent is derived from this scale score.

SUMMARY OF STATEWIDE PERFORMANCE ACROSS GRADES

The ITBS and Stanford test series are used in the Arizona Pupil Achievement Testing Program. The ITBS is used for grades 1-8, the SAT-7 is used for grade 9 and TASK is used in grades 10-12. Because of basic differences between these tests and due to differences in instructional emphases for the ITBS and Stanford groups, general trends for grades 1 - 8 will be discussed separately from the general trends exhibited for grades 9 - 12.

The norms for the ITBS, SAT-7 and TASK were established at different times. The ITBS was normed in the 1984-85 school year. Norms for SAT-7 and TASK were established in 1981-1982. Because of this difference in norming periods, comparisons of scores from grades 1-8 with those obtained in grades 9-12 should be made with caution.

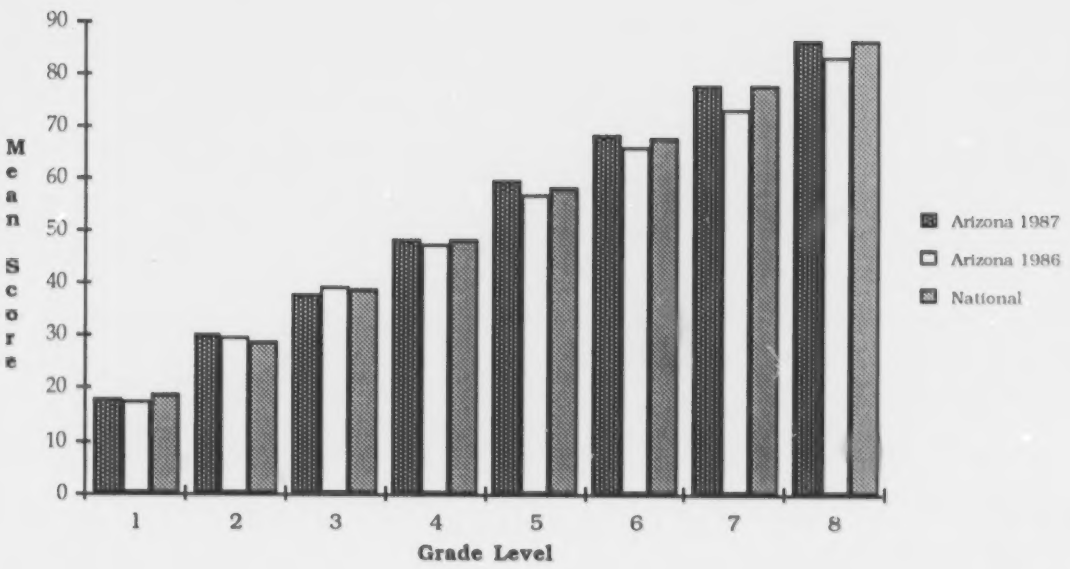
1987 Comparisons of Grades 1 through 8 with National Norms. When comparing Arizona average scores with national norm group scores, remember that small score differences may not always indicate meaningful achievement level differences. For example, the degree of variability in the scores at any given grade level has a large impact on the interpretation placed on small score differences observed within that grade.

Figures 1, 2 and 3 graphically illustrate the differences between Arizona statewide averages (1986 and 1987) and averages obtained by the national standardization group for the ITBS. The figures show the average grade equivalents by grade for the Arizona and national groups for reading, language and mathematics skills. Arizona reading performance is shown to be slightly above the national average in grades 2, 4, 5 and 6 and slightly below average for the other grades. In the language area, Arizona pupils obtained average scores above the national average in each of grades 1-8. State average mathematics scores were slightly above the national average in grades 1, 2, 5, 6 and 8 and slightly below average in grades 3, 4 and 7.

As suggested earlier, slight differences in state and national grade equivalent averages should not be over-interpreted as indicators of strengths and weaknesses. A review of Arizona's average stanines provides a broader measure of pupil performance within the state. Of the total 124 skills and areas measured across the eight grades, Arizona pupils obtained an average stanine of 5 on 103 (83%) and an average stanine of 6 in the remaining 21 (17%). This shows a gain from 1986 when Arizona pupils obtained an average stanine of 5 on 119 (96%) skills and areas, an average stanine of 6 in 4 (3%) and an average stanine of 4 in 1 (1%).

Figure 1.

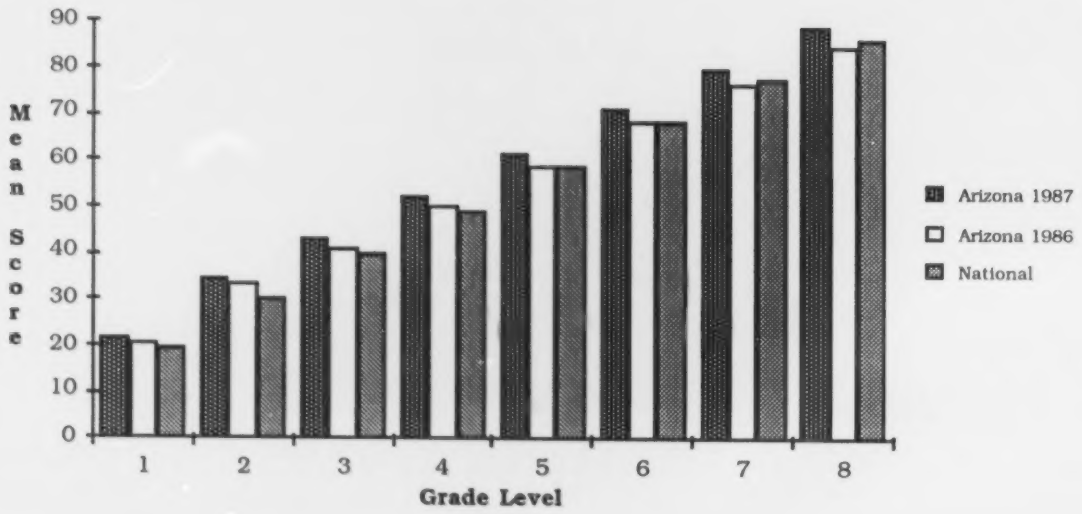
Total Reading: Mean Grade Equivalent Scores for Arizona Grade 1-8 Pupils and ITBS Norm Group in the Eighth Month of School



Arizona 1987	18.3	30.3	38.2	48.6	59.7	68.4	77.8	86.3
Arizona 1986	17.7	29.7	39.5	47.4	57.2	66.0	73.4	83.5
National	19.1	28.8	38.8	48.4	58.3	68.0	78.0	86.6

Figure 2.

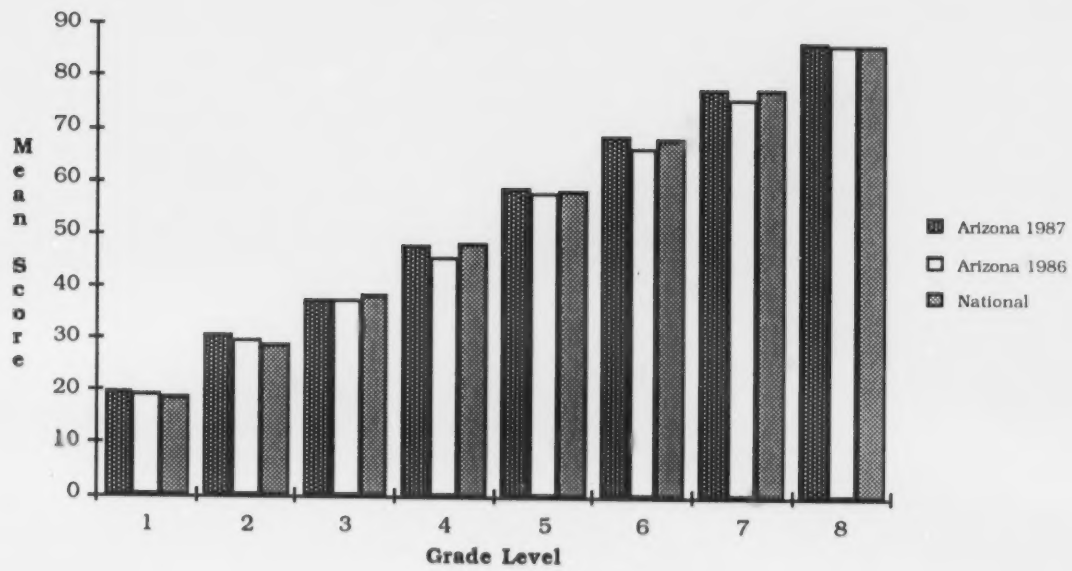
Total Language: Mean Grade Equivalent Scores for Arizona Grade 1-8 Pupils and ITBS Norm Group in the Eighth Month of School



Arizona 1987	21.8	34.8	43.6	52.6	61.6	71.0	79.5	88.8
Arizona 1986	20.9	33.5	41.3	50.4	58.8	68.6	76.5	84.8
National	19.5	30.4	40.0	49.5	58.8	68.3	77.5	86.0

Figure 3.

Total Mathematics: Mean Grade Equivalent Scores for Arizona Grade 1-8 Pupils and ITBS Norm Group in the Eighth Month of School



Arizona 1987	19.9	30.6	37.6	48.0	58.6	68.8	77.5	86.7
Arizona 1986	19.4	29.9	37.5	45.7	57.7	66.4	75.9	86.1
National	18.8	29.0	38.2	48.2	58.2	68.2	77.6	86.1

Group Differences. The number of males tested in grades (1-8) exceeded the number of females tested by approximately 1.4%. The largest difference, 2.3%, occurred in first grade. Average scores for the female group were slightly better than those for the male group in all grades for reading and language. Males slightly outperformed females in mathematics in grades 1 and 2, but females score slightly better in grades 3-8. The greatest score differences were noted in the language area for grades 2-8.

The primary language classification and percent tested across grades 1-8 for the Arizona Statewide Testing Program were 83.9% English, 7.6% Spanish, 1.7% Navajo and 1.1% Other. The primary language is Unknown for 5.2%, and 0.5% spoke a non-English language exclusively. The English language group outperformed all other groups in all 8 grades in reading, language and mathematics. The English language group was above the national average for the three areas in all 8 grades. The Spanish and Navajo primary language groups performed below the national average in all grades.

The performance of Arizona pupils was also categorized by racial/ethnic group membership. The groups identified, and the percentage of representation in these groups across grades 1-8, were 62.0% White (not Hispanic), 3.8% Black (not Hispanic), 21.3% Hispanic, 6.2% American Indian/Alaskan Native and 1.4% Asian/Pacific Islander. The racial/ethnic background was unknown for 5.3% of the Arizona pupils tested. The White and Asian/Pacific Islander groups scored above the national average for the reading, language and mathematics areas at every grade level. The Black, Hispanic and Navajo groups generally scored below the national averages. Their performance patterns were very similar at almost all grade levels. The Hispanic group tended to perform

slightly better than the Black group on the language and mathematics tests. The scoring patterns for the American Indian/Alaskan Native group were similar to the scoring patterns for the Black and Hispanic groups, but their scores were generally lower than those for the other two groups.

It is important to note that the population of Arizona pupils in grades 1 through 8 contains a higher proportion of racial/ethnic minorities than does the national population.

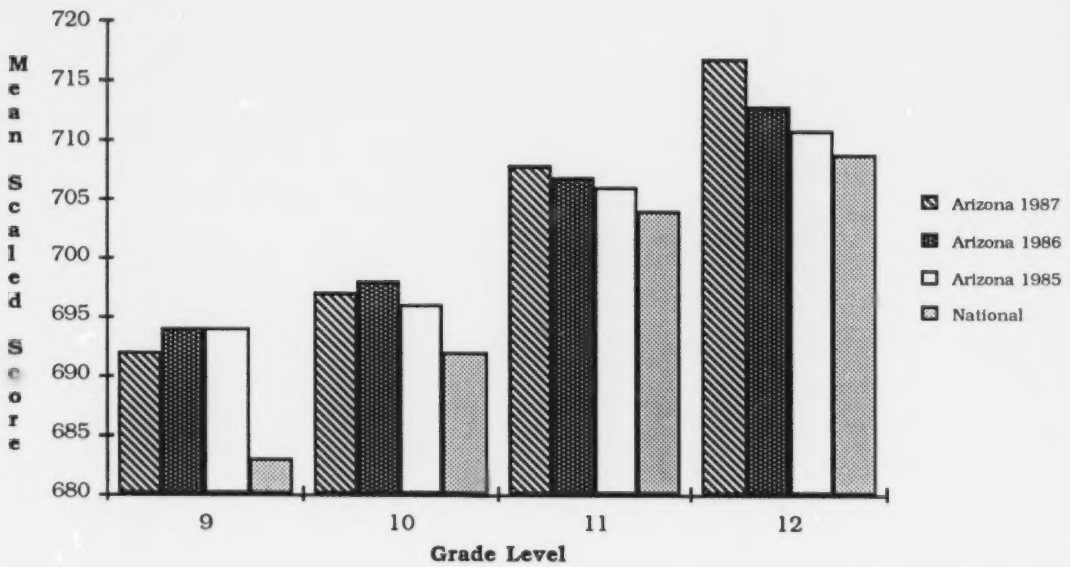
1987 Comparisons of Grades 9 - 12 with National Norms. When comparing average scores across subtests or with those of the national school population, it is important to remember that small score differences may not reflect true achievement level differences. Generally, meaningful score differences are represented by at least 5 percentile points. (Percentile ranks are used in this report because they can be compared appropriately across subtests; the properties of the grade equivalent scale do not permit such comparisons.)

Average (mean) scaled scores were computed for each content area for each of Grades 9 - 12 for the entire state. These mean scaled scores were then converted to various derived scores (e.g., individual and group percentile ranks, stanines and grade equivalents). Figures 4, 5 and 6 graphically illustrate the differences in the mean scaled scores for grades 9-12 (1985, 1986 and 1987) and the national norms group. Tables 27, 30, 33 and 36 present grade equivalents and individual percentile ranks and stanines for Grades 9 through 12, respectively. The percentile ranks shown in these tables are the basis for the national comparisons that follow.

Arizona students in Grades 9 through 12 scored in the average range in all areas tested. This is evidence of the fact that the performance of Arizona students is at about the same level as that of high school students across the nation.

Figure 4.

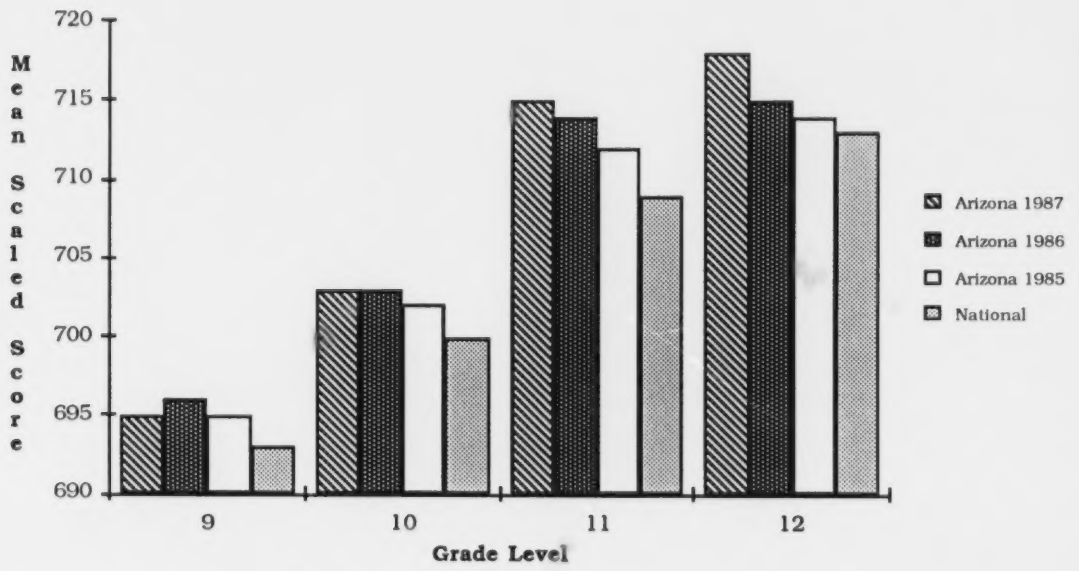
Total Reading: Mean Scaled Scores for Arizona Grade 9-12 Pupils and SAT7/TASK Norm Group in the Eighth Month of School



Arizona 1987	692	697	708	717
Arizona 1986	694	698	707	713
Arizona 1985	694	696	706	711
National	683	692	704	709

Figure 5.

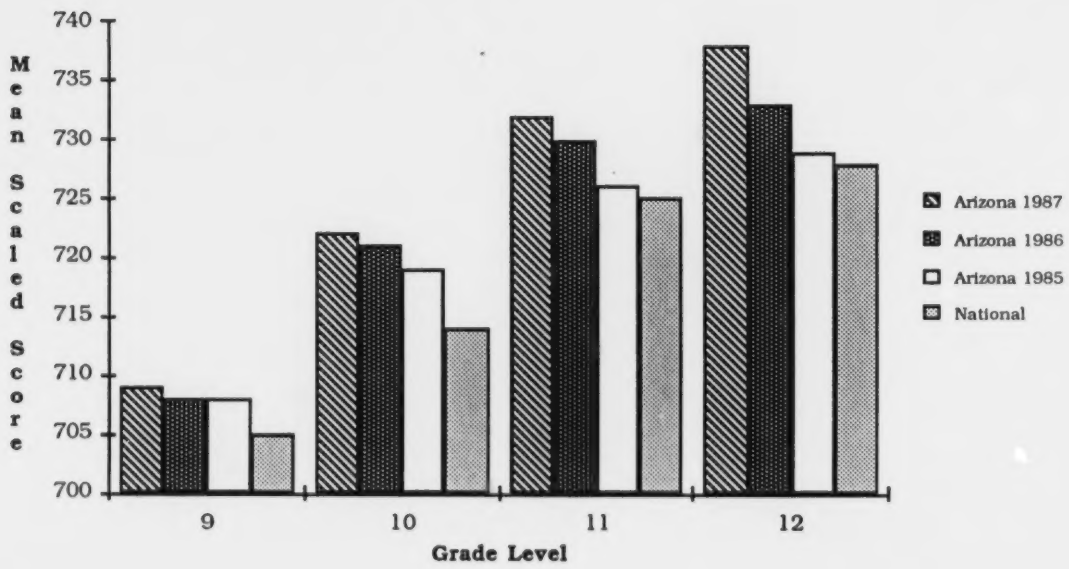
Total Language: Mean Scaled Scores for Arizona Grade 9-12 Pupils and SAT7/TASK Norm Group in the Eighth Month of School



Arizona 1987	695	703	715	718
Arizona 1986	696	703	714	715
Arizona 1985	695	702	712	714
National	693	700	709	713

Figure 6.

Total Mathematics: Mean Scaled Scores for Arizona Grade 9-12 Pupils and SAT7/TASK Norm Group in the Eighth Month of School



Arizona 1987	709	722	732	738
Arizona 1986	708	721	730	733
Arizona 1985	708	719	726	729
National	705	714	725	728

In Grades 9 - 12, Arizona students scored significantly above the national average on the Reading Comprehension subtest. Scores above the national average were also obtained by Grade 9 students in Mathematics Computation, by Grade 10, Grade 11 and Grade 12 students in Mathematics, and by Grade 11 and Grade 12 students on the English subtest. The only subtests in which Arizona students scored significantly below the national average were the Vocabulary and Listening Comprehension subtests administered in Grade 9. Although both scores are well within the average range, performance in these two areas was lowest among the content areas tested. It should be noted that both subtests are dictated to students; as such, they comprise the Listening domain. The Vocabulary subtest given in Grades 10, 11 and 12 is a measure of reading vocabulary; hence, it is not directly comparable in terms of what is being tested in Grade 9. Listening comprehension is not assessed in Grades 10, 11 or 12.

Group Differences. Scores are reported according to three student characteristics: 1) sex, 2) primary language and 3) racial/ethnic background. The "Unknown" category included in each of these three groups includes those students who omitted or entered the improper code on their answer documents. Although the scores of these students are included on the Analysis by Variables reports, the performance of these students is not discussed in this report.

Approximately equal numbers of males and females were tested in all grades. Females performed consistently better than males on the Reading Comprehension subtest in grades 9, 10 and 12 and in Total Language/English in Grades 9 through 12. Males performed significantly better than females in Total

Listening, which is tested only in Grade 9. Differences in achievement in all other total subject areas for the two groups were not significantly different.

Data for eight classifications of primary language groups are also presented in the Analysis by Variables tables in this report. Of the groups that represent one percent or more of the Arizona school population in Grades 9 through 12 (English, Spanish, Navajo and Other), the Spanish language group scored lowest in all three total subject areas. However, the Spanish language group showed significant gains since the 1986 testing in Total Reading, Total Mathematics and Total English in Grade 12. All other primary language groups either maintained their position or fluctuated from 1 to 4 percentile points in all areas tested.

The performance of Arizona students was also categorized by the following racial/ethnic group membership: White, Black, Hispanic, American Indian/Alaskan Native and Asian/Pacific Islander. In Grades 9 through 12, the Asian/Pacific Islander group scored above the 70th percentile in the Mathematics area, but significantly lower in the Reading and Language/English areas. The Black, Hispanic and American Indian/Alaskan Native groups scored significantly lower than any of the other groups in all areas tested.

Although the Black, Hispanic and American Indian/Alaskan Native groups scored lower than the 1987 Arizona averages, all three groups either maintained their positions or gained from 1 to 5 percentile points in all areas tested in Grades 10 through 12 since the 1986 testing. The White and Asian/Pacific

Islander groups also either maintained their positions or gained from 1 to 5 percentile points in Grades 9, 11 and 12.

Achievement growth for Grades 1 and 9 are not reported. Grade 1 students were in Kindergarten in 1986 and grade 9 students were administered the ITBS in 1986. As pointed out earlier in this report, differences in the content and norms of the ITBS and SAT-7 preclude direct comparisons of the scores obtained from these two series.

Achievement gain and growth are discussed by grade in the summary section of this report. Achievement gain is a comparison of percentile ranks within a grade group from year to year (e.g., 1986 Grade 1 scores compared to 1987 Grade 1 scores). Achievement growth is the difference in percentile rank for essentially the same group of students from one year to the next (e.g., 1986 Grade 1 scores to 1987 Grade 2 scores).

LANGUAGE PROFICIENCY EXEMPTIONS FROM STATEWIDE TESTING

Under Arizona Revised Statutes Section 15-744, pupils who are non-English monolingual or predominantly speakers of a language other than English may be exempted from the Arizona Pupil Achievement Testing Program for up to three years. The decision to exempt pupils is made by the district governing board. After the first year of exemption, only those pupils who are enrolled in a basic instructional program in the pupil's native language may continue to be exempt. The basic instructional program must include an alternative assessment of achievement.

In order to qualify pupils for second-year and/or third-year statewide testing exemption, the districts must submit to the Department of Education: 1) a description of the native language instructional program provided such pupils; 2) a copy of the alternative testing instrument (criterion-referenced or norm-referenced) and the degree to which it parallels skills tested in the state-mandated testing program; and 3) a summary report of test results achieved on the alternative test.

In 1987, a total of 6,470 pupils was exempted from the statewide testing program. The primary language of 89.3 percent of these pupils is Spanish. Seventeen districts exempted a total of 1,107 pupils for the second year.

These pupils were in grades two through twelve except for 91 first-grade pupils who were retained. Additionally, fifteen districts exempted a total of 563 pupils for the third year. These pupils were in grades three through nine except for 47 second-grade pupils who were retained. All of the pupils exempted for the second year and third year are in the Spanish primary language group and received instruction in Spanish during the 1986-87 school year.

The districts exempting students for the second and/or third year administered one or more of the following alternative assessment instruments: the Spanish version of the Comprehensive Tests of Basic Skills (CTBS Español); the La Prueba Riverside de Realización en Español; or criterion-referenced tests. The skills objectives of the criterion-referenced tests used closely match the skills objectives of the state-mandated tests. The CTBS Español and La Prueba skills assessed also approximate those of the state-mandated tests.

Of the second-year exempted pupils, 63 percent were in the second and third grades. Seventy-four percent of the third-year exempted pupils were in the third and fourth grades. The numbers of second and third year exempted pupils are provided.

Grade	Number of Exempted Pupils	
	Second Year	Third Year
1	91	None
2	623	47
3	78	335
4	64	80
5	66	50
6	62	24
7	30	11
8	59	11
9	8	5
10	5	None
11	13	None
12	8	None

SUMMARY OF STATEWIDE ACHIEVEMENT BY GRADE

The following is a grade-by-grade discussion of the performance of Arizona students in grades 1-12. This discussion is augmented by the presentation of five tables of data for each grade:

1) A comparison of national norms and 1987 Arizona averages using individual norms
2) A comparison of national norms and 1987 Arizona averages using group norms
3) Analysis by variables
4) Achievement gains for grades
5) Achievement growth for grade groups

The discussions of strengths and weaknesses for grades 1-8 are based on group norms. All other comparisons are based on norms for individuals. The discussion of strengths and weaknesses for grades 9-12 are based on individual norms.*

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*Meaningful score differences are represented by at least 5 percentile points.

GRADE ONE

Strengths and Weaknesses. Arizona first-grade pupils demonstrated average to above-average performance on all ITBS tests except for Reading Comprehension and Spelling. The average grade equivalent for this group ranged from 18.3 on Reading Comprehension to 23.6 on Language Usage and Expression. National percentile ranks for these grade equivalent averages ranged between 42 and 80 with a median of 64.

Group Differences. An analysis of the gender breakdown for first graders showed that 39.7% were male and 37.4% were female. Gender was not reported for 22.9% of the pupils. Average scores of the female group were higher in Reading and Language Total. Both groups scored the same on Mathematics Total.

The racial/ethnic background of the first-grade student population was 60.1% White, 4.1% Black, 20.5% Hispanic, 6.4% American Indian/Alaskan Native and 1.2% Asian/Pacific Islander.

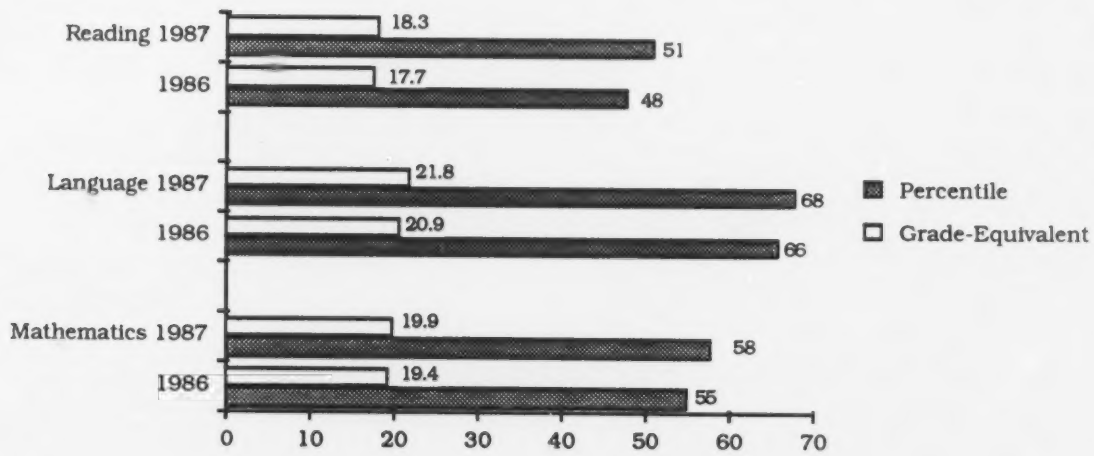
The White and Asian/Pacific Islander groups achieved at or above national averages across all areas of the test. The Black and Hispanic groups achieved at approximately the same levels except for mathematics, where the Hispanic group scored higher. The American Indian/Alaskan Native group achieved at levels slightly below those for the Black and Hispanic groups.

A comparison of 1987 scores with 1986 scores shows an overall modest gain in 1987 for all ethnic groups. The most significant gain was for the American Indian/Alaskan Native group, where a gain was made of six national percentile

points in the language area. The Asian/Pacific Islander group gained 4 national percentile points in the same area.

Achievement Gain. Arizona first graders showed small gains in all three areas in 1987. The gains were 3 percentile points (0.6 grade-equivalent units) in Reading Comprehension, 2 percentile points (0.9 grade-equivalent units) in Language Total, and 3 percentile points (0.5 grade-equivalent units) in Mathematics Total.

Figure 7. 1987 Arizona Gain* for Grade One



*Pupil Percentile/Grade Equivalent Scores for 1986 and 1987

Achievement Growth. Achievement growth comparisons cannot be made for first graders since they were not tested as a part of the Statewide Testing Program in 1986.

Table 3

COMPARISON OF NATIONAL NORMS AND 1987 ARIZONA AVERAGES
GRADE ONE (INDIVIDUAL NORMS)

Subtest/Subject	NATIONAL NORMS			ARIZONA AVERAGES		
	Grade Equivalent	Percentile Rank[a]	Stanine	Grade Equivalent	Percentile Rank[b]	Stanine
Vocabulary	18.1	50	5	19.8	59	5
Reading Comprehension	19.1	54	5	18.3	51	5
Spelling	19.0	55	5	18.4	53	5
Capitalization	18.9	55	5	22.3	67	6
Punctuation	19.8	58	5	22.6	67	6
Usage and Expression	20.7	54	5	23.6	61	6
Language Skills - Total	19.5	59	5	21.8	68	6
Visual Materials	18.6	51	5	20.8	61	6
Reference Materials	18.6	52	5	19.2	55	5
Work-Study Skills - Total	18.7	52	5	20.0	58	5
Mathematics Concepts	19.5	52	5	20.8	59	5
Mathematics Problem Solving	18.3	51	5	19.4	56	5
Mathematics Computation	18.7	51	5	19.3	55	5
Mathematics Skills - Total	18.8	52	5	19.9	58	5
Composite - Complete	18.9	52	5	20.3	58	5

[a] Percentile ranks are for individuals. Percentile ranks for national values have been interpolated.
[b] Percentile ranks for state averages have been obtained by rounding average grade equivalents to the nearest whole number and converting them to percentile ranks from a conversion table.

Table 4

COMPARISON OF NATIONAL NORMS AND 1987 ARIZONA AVERAGES
GRADE ONE (GROUP NORMS)

Subtest/Subject	NATIONAL NORMS			ARIZONA AVERAGES		
	Grade Equivalent	Percentile Rank[a]	Stanine	Grade Equivalent	Percentile Rank[b]	Stanine
Listening	18.6	46	5	19.9	56	5
Word Analysis	19.3	46	5	21.4	62	5
Vocabulary	18.1	44	5	19.8	59	5
Reading Comprehension	19.1	49	5	18.3	42	5
Spelling	19.0	61	6	18.4	57	5
Capitalization	18.9	53	5	22.3	80	6
Punctuation	19.8	55	5	22.6	70	6
Usage and Expression	20.7	54	5	23.6	74	5
Language Skills - Total	19.5	53	5	21.8	72	6
Visual Materials	18.6	46	5	20.8	63	5
Reference Materials	18.6	44	5	19.2	50	5
Work-Study Skills - Total	18.7	48	5	20.0	58	5
Mathematics Concepts	19.5	46	5	20.8	58	5
Mathematics Problem Solving	18.3	42	5	19.4	52	5
Mathematics Computation	18.7	54	5	19.3	64	5
Mathematics Skills - Total	18.8	51	5	19.9	64	5
Composite - Complete	18.9	46	5	20.3	59	5

[a] Percentile ranks are for group averages. Percentile ranks for national values have been interpolated.
[b] Percentile ranks for state averages have been obtained by rounding average grade equivalents to the nearest whole number and converting them to percentile ranks from a conversion table.

Table 5

ANALYSIS BY VARIABLES
GRADE ONE

	READING COMPREHENSION				TOTAL LANGUAGE				TOTAL MATHEMATICS			
	Number	%	Grade Equiv.	Percentile*	Number	%	Grade Equiv.	Percentile*	Number	%	Grade Equiv.	Percentile*
Sex												
Male	19,633	39.7	17	46	19,081	39.7	21	64	19,283	39.7	20	58
Female	18,480	37.4	19	53	18,013	37.4	22	70	18,185	37.4	20	56
Unknown	11,336	22.9	19	52	11,031	22.9	23	71	11,097	22.9	20	60
Primary Language												
English	40,781	82.4	19	52	39,787	82.7	22	70	40,038	82.4	20	60
Spanish	3,187	6.4	14	30	3,096	6.4	17	43	3,143	6.5	17	38
Spanish exclusively	126	0.3	12	24	123	0.3	15	34	129	0.3	16	34
Navajo	920	1.9	13	26	826	1.7	16	37	912	1.9	15	31
Navajo exclusively	62	0.1	10	15	55	0.1	14	29	61	0.1	16	34
Other	540	1.1	16	38	534	1.1	19	56	539	1.1	18	44
Other exclusively	25	0.1	15	35	24	0.1	17	47	27	0.1	15	31
Unknown	3,808	7.7	18	49	3,680	7.6	21	66	3,716	7.6	20	59
Racial/Ethnic												
White	29,749	60.1	20	58	29,081	60.4	24	74	29,226	60.2	21	66
Black	2,022	4.1	15	34	1,946	4.1	18	53	1,981	4.1	16	37
Hispanic	10,154	20.5	15	35	9,872	20.5	18	53	9,973	20.5	17	43
American Indian or Alaskan	3,144	6.4	14	30	2,986	6.2	17	45	3,094	6.4	16	35
Asian or Pacific Islander	578	1.2	20	59	570	1.2	24	75	584	1.2	21	64
Unknown	3,802	7.7	18	49	3,670	7.6	22	67	3,707	7.6	20	59

*Based on individual norms.

GRADE TWO

Strengths and Weaknesses. Second-grade pupils in Arizona performed at average or above-average levels on all ITBS tests. Average grade equivalents were obtained by this group ranging from 29.5 on Spelling to 38.4 on Punctuation. National percentile ranks for these grade-equivalent averages were between 51 and 92 with the median at 60.

Group Differences. Of all second graders tested, 39.3% were males and 37.6% were females. Gender was not reported for 23.1% of the pupils. The female group outscored the male group in Reading and Language Total. The male group outscored the female group on Mathematics Total.

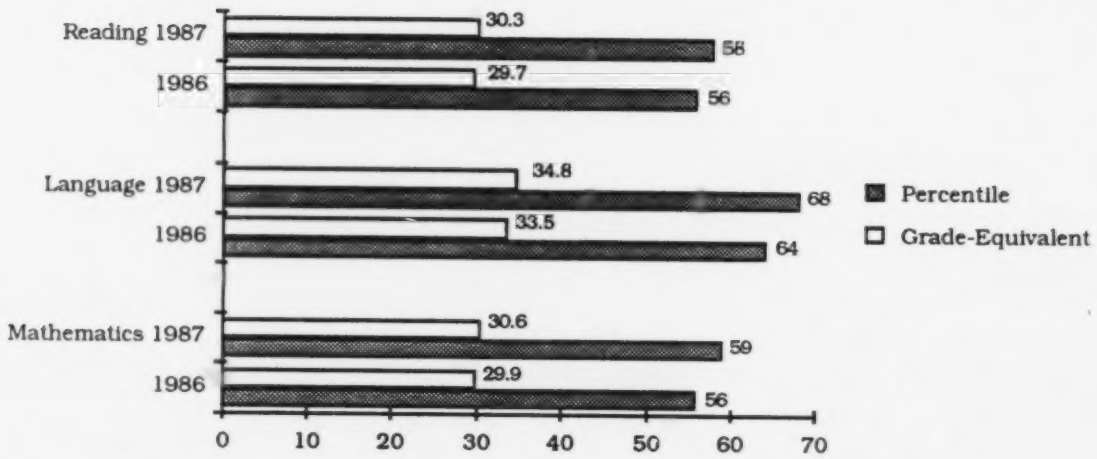
The racial/ethnic background of the second-grade student population was 63.7% White, 4.1% Black, 20.7% Hispanic, 6.1% American Indian/Alaskan Native and 1.3% Asian/Pacific Islander.

The White and Asian/Pacific Islander groups achieved above the national average on all tests. Their performance was nearly the same on all tests except Spelling, Usage and Expression and Mathematics Computation. The Asian/Pacific Islander group scored well above the White group on Spelling and Mathematics Computation, while the reverse was true for Usage and Expression. The Black and Hispanic group scores were similar across all areas and slightly below national average scores except Capitalization and Punctuation. The Hispanic group scored slightly better than the Black group on the mathematics tests. The American Indian/Alaskan Native group scored below the national average on all tests except Punctuation. Their performance exceeded that of the Black group on Mathematics Computation.

Modest gains over 1986 performance were shown by all ethnic groups. Most noteworthy were gains by the Asian/Pacific Islander group of 6 percentile points (5 grade-equivalent units; one grade-equivalent unit is one month) in Mathematics and 5 percentile points (3 grade-equivalent units) in Language. Gains of 4 percentile points were obtained by the White and Black groups in Mathematics and by the Hispanic group in Language.

Achievement Gain. Arizona second graders showed gains in 1987 over 1986 performance in all three areas of achievement. The gain in Reading was 2 percentile points (0.6 grade-equivalent units). The gain in Language was 4 percentile points (1.3 grade-equivalent units), and the gain in Mathematics was 3 percentile points (0.7 grade-equivalent units).

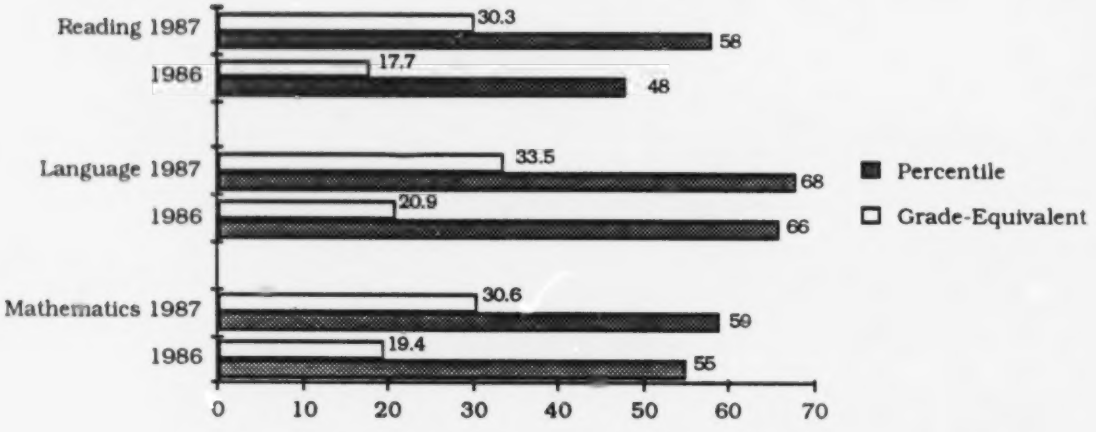
Figure 8. 1987 Arizona Gain* for Grade Two



*Pupil Percentile/Grade Equivalent Scores for 1986 and 1987

Achievement Growth. The group of Arizona second graders tested in 1987 is approximately the same group that were tested as first graders in 1986. The greatest growth was obtained in Reading Comprehension--10 national percentile points and almost 14 months on the grade-equivalent scale. Language growth was two percentile points and almost 13 months. Mathematics growth was 4 percentile points and slightly less than 11 months.

Figure 9. 1987 Arizona Growth* for Grade Two (1986 Grade One)



*Pupil Percentile/Grade Equivalent Scores for 1986 and 1987

Table 6

COMPARISON OF NATIONAL NORMS AND 1987 ARIZONA AVERAGES
GRADE TWO (INDIVIDUAL NORMS)

Subtest/Subject	NATIONAL NORMS			ARIZONA AVERAGES		
	Grade Equivalent	Percentile Rank[a]	Stanine	Grade Equivalent	Percentile Rank[b]	Stanine
Vocabulary	28.9	50	5	30.6	57	5
Reading Comprehension	28.8	53	5	30.3	58	5
Spelling	29.4	55	5	29.5	56	5
Capitalization	29.9	53	5	34.9	70	6
Punctuation	31.2	57	5	38.4	74	6
Usage and Expression	30.7	52	5	36.1	64	6
Language Skills - Total	30.4	55	5	34.8	68	6
Visual Materials	28.7	50	5	32.3	63	6
Reference Materials	28.7	50	5	31.0	59	5
Work-Study Skills - Total	28.4	50	5	31.7	63	6
Mathematics Concepts	29.5	52	5	31.2	60	6
Mathematics Problem Solving	28.3	49	5	30.0	56	5
Mathematics Computation	29.1	51	5	30.3	58	5
Mathematics Skills - Total	29.0	52	5	30.6	59	5
Composite - Complete	29.0	52	5	31.8	63	6

[a] Percentile ranks are for group averages. Percentile ranks for national values have been interpolated.
[b] Percentile ranks for state averages have been obtained by rounding average grade equivalents to the nearest whole number and converting them to percentile ranks from a conversion table.

Table 7

COMPARISON OF NATIONAL NORMS AND 1987 ARIZONA AVERAGES
GRADE TWO (GROUP NORMS)

Subtest/Subject	NATIONAL NORMS			ARIZONA AVERAGES		
	Grade Equivalent	Percentile Rank[a]	Stanine	Grade Equivalent	Percentile Rank[b]	Stanine
Listening	29.3	47	5	31.0	61	5
Word Analysis	29.9	46	5	33.1	67	6
Vocabulary	28.9	48	5	30.6	60	5
Reading Comprehension	28.8	46	5	30.3	56	5
Spelling	29.4	50	5	29.5	51	5
Capitalization	29.9	50	5	34.9	84	6
Punctuation	31.2	55	5	38.4	92	6
Usage and Expression	30.7	53	5	36.1	79	6
Language Skills - Total	30.4	52	5	34.8	81	6
Visual Materials	28.7	46	5	32.3	68	6
Reference Materials	28.7	47	5	31.0	65	5
Work-Study Skills - Total	28.4	44	5	31.7	67	6
Mathematics Concepts	29.5	47	5	31.2	58	5
Mathematics Problem Solving	28.3	43	5	30.0	57	5
Mathematics Computation	29.1	53	5	30.3	69	5
Mathematics Skills - Total	29.0	52	5	30.6	68	5
Composite - Complete	29.0	47	5	31.8	70	6

[a] Percentile ranks are for group averages. Percentile ranks for national values have been interpolated.
[b] Percentile ranks for state averages have been obtained by rounding average grade equivalents to the nearest whole number and converting them to percentile ranks from a conversion table.

Table 8

ANALYSIS BY VARIABLES
GRADE TWO

	READING COMPREHENSION				TOTAL LANGUAGE				TOTAL MATHEMATICS			
	Number	%	Grade Equiv.	Percentile*	Number	%	Grade Equiv.	Percentile*	Number	%	Grade Equiv.	Percentile*
Sex												
Male	17,688	39.3	29	55	17,460	39.3	33	64	17,446	39.4	31	60
Female	16,915	37.6	31	62	16,709	37.7	36	71	16,667	37.6	30	58
Unknown	10,384	23.1	31	59	10,216	23.0	35	69	10,191	23.0	31	60
Primary Language												
English	38,305	85.1	31	62	37,874	85.3	36	71	37,738	85.2	31	62
Spanish	3,274	7.3	23	31	3,221	7.3	28	45	3,226	7.3	26	37
Spanish exclusively	78	0.2	19	18	75	0.2	25	36	77	0.2	26	36
Navajo	926	2.1	20	22	860	1.9	25	38	919	2.1	24	29
Navajo exclusively	60	0.1	19	20	59	0.1	26	40	60	0.1	26	37
Other	513	1.1	24	35	506	1.1	29	50	508	1.1	27	43
Other exclusively	21	0.1	18	15	21	0.1	24	31	21	0.1	24	27
Unknown	1,810	4.0	28	52	1,769	4.0	32	61	1,755	3.9	29	52
Racial/Ethnic												
White	28,625	63.6	33	67	28,314	63.8	37	74	28,210	63.7	32	68
Black	1,827	4.1	26	42	1,795	4.1	30	53	1,794	4.0	26	39
Hispanic	9,324	20.7	25	41	9,197	20.7	30	53	9,183	20.7	27	44
American Indian or Alaskan	2,763	6.1	22	30	2,678	6.0	27	44	2,734	6.2	25	34
Asian or Pacific Islander	571	1.3	32	65	567	1.3	39	77	566	1.3	33	72
Unknown	1,877	4.2	29	52	1,834	4.1	33	61	1,817	4.1	29	53

*Based on individual norms.

GRADE THREE

Strengths and Weaknesses. Above-average grade equivalents were obtained by Arizona third graders in Vocabulary and all language tests. They obtained slightly less than average scores on Reading Comprehension and the Mathematics tests. Their grade-equivalent scores ranged from 36.9 on Mathematics Problem Solving to 48.0 on Punctuation. National percentile ranks for these grade-equivalent averages were between 38 and 88 with the median at 46.

Group Differences. Of the third graders tested, 39% were males and 38% were females. Gender was unknown for 23% of the pupils. The female group outscored the male group in all but Mathematics Concepts and Mathematics Problem Solving.

The racial/ethnic background of the third-grade student population was 62.2% White, 3.9% Black, 21.6% Hispanic, 6.0% American Indian/Alaskan Native and 1.3% Asian/Pacific Islander.

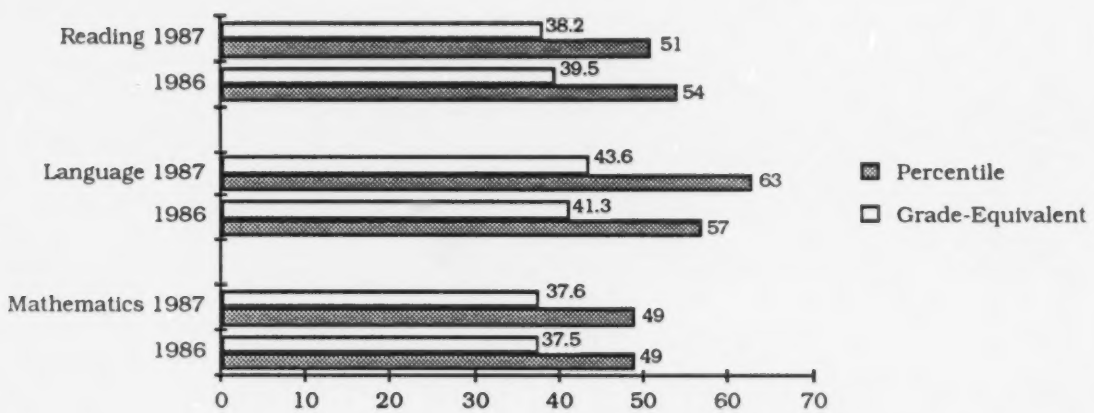
The White and Asian/Pacific Islander groups both performed above the national average across all areas. Both groups performed especially well in the language area. The Hispanic group scored higher than the Black and American Indian/Alaskan Native groups on all tests except Vocabulary and Spelling, where the Black group scored higher. The Black group outperformed the American Indian/Alaskan Native group except for the Capitalization, Punctuation, and Mathematics Computation tests.

All ethnic groups obtained scores approximately equal to or slightly better than were reported for third graders in 1986 with the exception of Reading

Comprehension where there was an average decline of approximately 4 percentile points and one grade-equivalent unit. The greatest gains were recorded in the language area, where the Asian/Pacific Islander group gained 8 percentile points, the Black and Hispanic groups gained 7 percentile points, and the White and American Indian/Alaskan Native groups gained 5 percentile points. The average gain in grade-equivalent units for these groups in Language Total was almost 3 months.

Achievement Gain. Comparisons between 1986 and 1987 third-grade groups show mixed results. The 1987 group scored at a grade-equivalent level in Reading Comprehension that was approximately one unit lower than the 1986 group. This resulted in a decline of three percentile points. A gain of six percentile points (2.3 grade-equivalent units) was recorded on Language Total. There was no change on Mathematics Total.

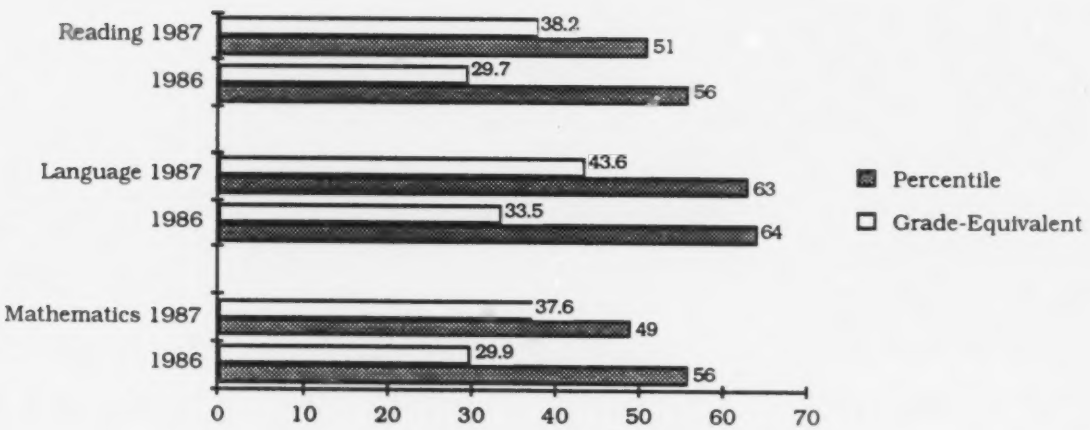
Figure 10. 1987 Arizona Gain* for Grade Three



*Pupil Percentile/Grade Equivalent Scores for 1986 and 1987

Achievement Growth. A growth of 8.5 grade-equivalent units in Reading Comprehension was recorded by the third graders compared to the average score obtained by approximately the same group when they were second graders in 1986. This resulted in a decline of 5 percentile points. In Language Total, a 10.1 month grade-equivalent growth resulted in approximately the same percentile rank (one point lower). A growth of 7.7 grade-equivalent units on Mathematics Total resulted in a loss of 7 percentile points.

Figure 11. 1987 Arizona Growth* for Grade Three (1986 Grade Two)



*Pupil Percentile/Grade Equivalent Scores for 1986 and 1987

Table 9

COMPARISON OF NATIONAL NORMS AND 1987 ARIZONA AVERAGES
GRADE THREE (INDIVIDUAL NORMS)

Subtest/Subject	NATIONAL NORMS			ARIZONA AVERAGES		
	Grade Equivalent	Percentile Rank[a]	Stanine	Grade Equivalent	Percentile Rank[b]	Stanine
Vocabulary	38.4	50	5	38.6	50	5
Reading Comprehension	38.8	52	5	38.2	51	5
Spelling	39.2	53	5	39.5	54	5
Capitalization	39.6	52	5	44.0	65	6
Punctuation	40.9	54	5	48.0	69	6
Usage and Expression	39.8	51	5	42.7	58	5
Language Skills - Total	40.0	53	5	43.6	63	6
Visual Materials	38.5	50	5	40.3	55	5
Reference Materials	38.2	51	5	37.9	50	5
Work-Study Skills - Total	37.9	50	5	39.1	54	5
Mathematics Concepts	39.2	51	5	38.2	48	5
Mathematics Problem Solving	37.6	49	5	36.9	47	5
Mathematics Computation	38.2	52	5	37.8	50	5
Mathematics Skills - Total	38.2	50	5	37.6	49	5
Composite - Complete	38.7	52	5	39.5	55	5

[a] Percentile ranks are for individuals. Percentile ranks for national values have been interpolated.
[b] Percentile ranks for state averages have been obtained by rounding average grade equivalents to the nearest whole number and converting them to percentile ranks from a conversion table.

Table 10

COMPARISON OF NATIONAL NORMS AND 1987 ARIZONA AVERAGES
GRADE THREE (GROUP NORMS)

Subtest/Subject	NATIONAL NORMS			ARIZONA AVERAGES		
	Grade Equivalent	Percentile Rank[a]	Stanine	Grade Equivalent	Percentile Rank[b]	Stanine
Vocabulary	38.4	45	5	38.6	46	5
Reading Comprehension	38.8	46	5	38.2	42	5
Spelling	39.2	49	5	39.5	52	5
Capitalization	39.6	50	5	44.0	78	6
Punctuation	40.9	54	5	48.0	88	6
Usage and Expression	39.8	47	5	42.7	61	5
Language Skills - Total	40.0	50	5	43.6	72	6
Visual Materials	38.5	48	5	40.3	59	5
Reference Materials	38.2	47	5	37.9	45	5
Work-Study Skills - Total	37.9	45	5	39.1	53	5
Mathematics Concepts	39.2	47	5	38.2	39	5
Mathematics Problem Solving	37.6	43	5	36.9	38	5
Mathematics Computation	38.2	49	5	37.8	45	5
Mathematics Skills - Total	38.2	50	5	37.6	44	5
Composite - Complete	38.7	48	5	39.5	54	5

[a] Percentile ranks are for group averages. Percentile ranks for national values have been interpolated.
[b] Percentile ranks for state averages have been obtained by rounding average grade equivalents to the nearest whole number and converting them to percentile ranks from a conversion table.

Table 11

ANALYSIS BY VARIABLES
GRADE THREE

	READING COMPREHENSION				TOTAL LANGUAGE				TOTAL MATHEMATICS			
	Number	%	Grade Equiv.	Percentile*	Number	%	Grade Equiv.	Percentile*	Number	%	Grade Equiv.	Percentile*
Sex												
Male	16,805	39.0	37	47	16,716	39.0	42	57	16,679	39.0	37	49
Female	16,368	38.0	39	53	16,285	38.0	46	68	16,231	37.9	38	50
Unknown	9,945	23.0	39	52	9,875	23.0	44	64	9,872	23.1	38	52
Primary Language												
English	36,134	83.8	39	54	35,942	83.8	45	66	35,856	83.8	38	53
Spanish	3,367	7.8	31	28	3,348	7.8	37	44	3,359	7.9	33	30
Spanish exclusively	167	0.4	27	19	163	0.4	32	29	167	0.4	32	25
Navajo	790	1.8	29	23	787	1.8	35	38	788	1.8	30	20
Navajo exclusively	57	0.1	26	16	57	0.1	34	35	57	0.1	30	20
Other	424	1.0	33	35	421	1.0	41	55	418	1.0	35	38
Other exclusively	19	0.1	34	36	18	0.1	37	45	19	0.1	34	34
Unknown	2,160	5.0	38	49	2,140	5.0	43	61	2,118	4.9	37	47
Racial/Ethnic												
White	26,833	62.2	41	58	26,685	62.2	46	69	26,621	62.2	40	58
Black	1,666	3.9	33	34	1,652	3.9	38	46	1,649	3.9	33	29
Hispanic	9,312	21.6	34	36	9,272	21.6	39	51	9,275	21.7	34	36
American Indian or Alaskan	2,602	6.0	32	30	2,590	6.1	38	46	2,582	6.0	32	27
Asian or Pacific Islander	566	1.3	41	59	560	1.3	49	75	563	1.3	41	63
Unknown	2,139	5.0	38	49	2,117	4.9	43	61	2,092	4.9	37	47

*Based on individual norms.

GRADE FOUR

Strengths and Weaknesses. Arizona fourth-grade pupils scored at or above the national average on all tests except for Spelling and Mathematics Concepts and Mathematics Problem Solving. Average grade equivalents ranged from 47.1 on Mathematics Problem Solving to 57.3 on Punctuation. National percentile ranks for these grade-equivalent averages ranged from 42 to 84 with the median at 47.

Group Differences. The fourth grade gender proportions were 39.4% male, 39.0% female and 21.6% unknown. The female group performed better than the male group in Reading, Total Language and Total Mathematics. Males scored higher than females on the Vocabulary test. Equal performance was obtained on the Mathematics Concepts and Mathematics Problem Solving tests.

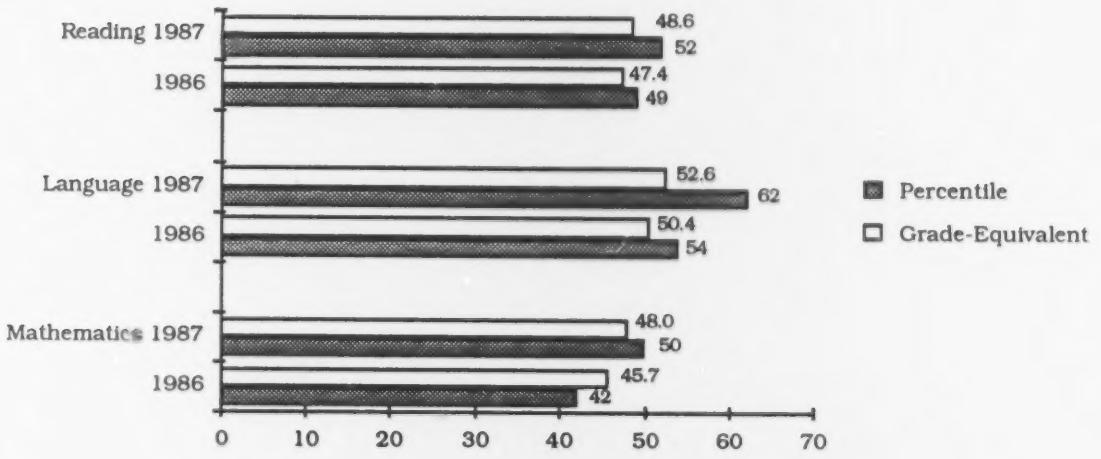
The racial/ethnic background of the fourth-grade student population was 62.2% White, 3.8% Black, 21.3% Hispanic, 6.2% American Indian/Alaskan Native and 1.5% Asian/Pacific Islander.

The Asian/Pacific Islander and White groups scored above the national average on all three areas. The profiles for the Black, Hispanic and American Indian/Alaskan Native groups were similar to each other. They scored above average on Punctuation and below average on all other tests. The Black group's highest scores were on Capitalization, Punctuation and Spelling. The Hispanic group scored highest on Capitalization, Punctuation and Mathematics Computation. The American Indian/Alaskan Native group obtained their highest scores on Capitalization and Punctuation.

Compared to 1986 test results for grade 4, 1987 fourth graders showed gains across all ethnic groups in all three achievement areas. The greatest gains were recorded in Total Mathematics, where the increases in percentile rank points were 9 for the Asian/Pacific Islander group, 8 for the White and Hispanic groups, 6 for the Black group, and 5 for the American Indian/Alaskan Native group. Other gains of 4 or more percentile points were recorded by all five groups in Language Total.

Achievement Gain. Compared to 1986 fourth graders, the 1987 group scored higher in all three areas. Gains in Reading Comprehension were 1.2 grade-equivalent units and 3 national percentile points. Gains for Language Total were 2.2 months and 8 percentile points; for Mathematics Total they were 2.3 months and 8 percentile points.

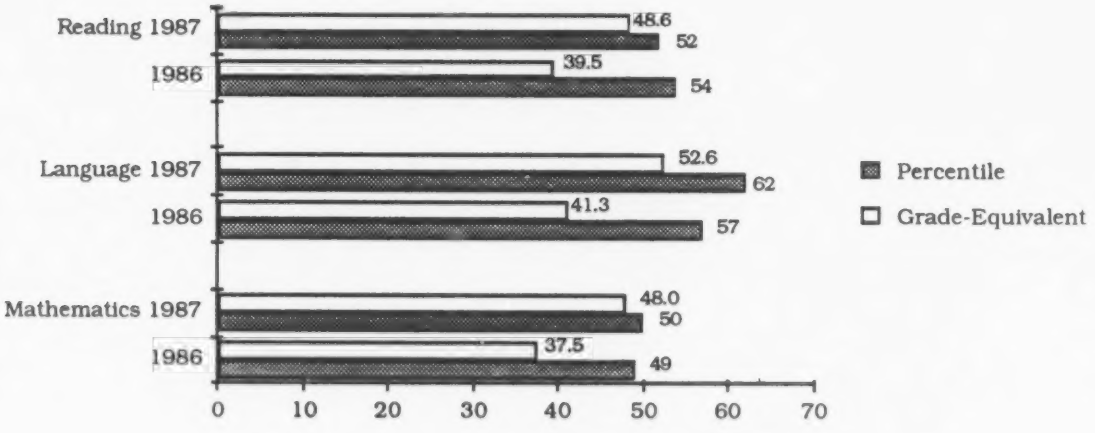
Figure 12. 1987 Arizona Gain* for Grade Four



*Pupil Percentile/Grade Equivalent Scores for 1986 and 1987

Achievement Growth. Compared to when the approximately identical 1987 fourth-grade group were third graders in 1986, growths have occurred of 9.1 months in Reading Comprehension, 11.3 months in Language Total, and 10.5 months in Mathematics Total. These growths resulted in a 2 point percentile rank decline in Reading Comprehension, and gains of 5 and 1 percentile rank points respectively in Language and Mathematics Totals.

Figure 13. 1987 Arizona Growth* for Grade Four (1986 Grade Three)



*Pupil Percentile/Grade Equivalent Scores for 1986 and 1987

Table 12

COMPARISON OF NATIONAL NORMS AND 1987 ARIZONA AVERAGES
GRADE FOUR (INDIVIDUAL NORMS)

Subtest/Subject	NATIONAL NORMS			ARIZONA AVERAGES		
	Grade Equivalen	Percentile Rank[a]	Stanine	Grade Equivalent	Percentile Rank[b]	Stanine
Vocabulary	47.7	50	5	47.7	50	5
Reading Comprehension	48.4	52	5	48.6	52	5
Spelling	48.4	51	5	48.0	50	5
Capitalization	49.2	52	5	52.9	62	6
Punctuation	50.5	52	5	57.3	67	6
Usage and Expression	49.0	50	5	52.0	55	5
Language Skills - Total	49.5	52	5	52.6	62	6
Visual Materials	47.8	50	5	50.2	56	5
Reference Materials	48.0	50	5	48.2	50	5
Work-Study Skills - Total	47.7	50	5	49.2	54	5
Mathematics Concepts	49.2	52	5	48.1	48	5
Mathematics Problem Solving	47.5	48	5		47	5
Mathematics Computation	48.2	51	5	47.1	52	5
				48.5		
Mathematics Skills - Total	48.2	51	5		50	5
				48.0		
Composite - Complete	48.3	51	5	49.3	54	5

[a] Percentile ranks are for individuals. Percentile ranks for national values have been interpolated.
[b] Percentile ranks for state averages have been obtained by rounding average grade equivalents to the nearest whole number and converting them to percentile ranks from a conversion table.

Table 13

COMPARISON OF NATIONAL NORMS AND 1987 ARIZONA AVERAGES
GRADE FOUR (GROUP NORMS)

Subtest/Subject	NATIONAL NORMS			ARIZONA AVERAGES		
	Grade Equivalent	Percentile Rank[a]	Stanine	Grade Equivalent	Percentile Rank[b]	Stanine
Vocabulary	47.7	43	5	47.7	43	5
Reading Comprehension	48.4	45	5	48.6	46	5
Spelling	48.4	46	5	48.0	44	5
Capitalization	49.2	48	5	52.9	69	6
Punctuation	50.5	52	5	57.3	84	6
Usage and Expression	49.4	48	5	52.0	58	5
Language Skills - Total	49.5	47	5	52.6	64	5
Visual Materials	47.8	46	5	50.2	58	5
Reference Materials	48.0	46	5	48.2	47	5
Work-Study Skills - Total	47.7	45	5	49.2	52	5
Mathematics Concepts	49.2	48	5	48.1	42	5
Mathematics Problem Solving	47.5	45	5	47.1	42	5
Mathematics Computation	48.2	49	5	48.5	52	5
Mathematics Skills - Total	48.2	48	5	48.0	47	5
Composite - Complete	48.3	46	5	49.3	52	5

[a] Percentile ranks are for group averages. Percentile ranks for national values have been interpolated.
[b] Percentile ranks for state averages have been obtained by rounding average grade equivalents to the nearest whole number and converting them to percentile ranks from a conversion table.

Table 14

ANALYSIS BY VARIABLES
GRADE FOUR

	READING COMPREHENSION				TOTAL LANGUAGE				TOTAL MATHEMATICS			
	Number	%	Grade Equiv.	Percentile*	Number	%	Grade Equiv.	Percentile*	Number	%	Grade Equiv.	Percentile*
Sex												
Male	16,763	39.5	47	49	16,665	39.4	50	53	16,637	39.4	47	48
Female	16,541	38.9	50	54	16,475	39.0	55	64	16,429	39.0	48	50
Unknown	9,186	21.6	49	54	9,144	21.6	54	62	9,115	21.6	49	53
Primary Language												
English	35,144	82.7	50	56	34,974	82.7	54	63	34,874	82.7	49	53
Spanish	3,782	8.9	41	31	3,773	8.9	45	40	3,772	8.9	43	32
Spanish exclusively	155	0.4	34	18	153	0.4	38	22	158	0.4	40	23
Navajo	840	2.0	35	20	837	2.0	41	30	834	2.0	38	19
Navajo exclusively	28	0.1	33	16	28	0.1	40	27	28	0.1	38	19
Other	461	1.1	44	40	462	1.1	49	51	463	1.1	45	39
Other exclusively	18	0.0	42	36	18	0.0	51	54	18	0.0	47	46
Unknown	2,062	4.8	47	49	2,039	4.8	51	56	2,034	4.8	47	47
Racial/Ethnic												
White	26,443	62.2	52	60	26,315	62.2	55	66	26,237	62.2	50	58
Black	1,603	3.8	44	39	1,596	3.8	47	45	1,594	3.8	43	33
Hispanic	9,046	21.3	43	38	9,003	21.3	48	46	8,999	21.3	44	37
American Indian or Alaskan	2,635	6.2	40	30	2,631	6.2	45	39	2,618	6.2	41	27
Asian or Pacific Islander	622	1.5	52	61	621	1.5	58	72	618	1.5	52	66
Unknown	2,141	5.0	47	49	2,118	5.0	51	56	2,115	5.0	47	47

*Based on individual norms.

GRADE FIVE

Strengths and Weaknesses. Fifth-grade pupils in Arizona performed at or above the national average on all of the ITBS tests. Average grade equivalents ranged from 57.5 on Mathematics Problem Solving to 64.1 on Punctuation. National percentile ranks for these grade equivalents ranged from 42 to 70 with the median at 52.

Group Differences. Approximately equal numbers of female and male Arizona fifth graders took the test; although gender was not identified for 22.6% of the pupils. While males outperformed females on the Vocabulary and Mathematics Concepts tests, females scored better than males on all other tests except Mathematics Problem Solving, where performance was equal.

The racial/ethnic background of the fifth-grade student population was 62.5% White, 3.7% Black, 21.7% Hispanic, 6.1% American Indian/Alaskan Native and 1.4% Asian/Pacific Islander.

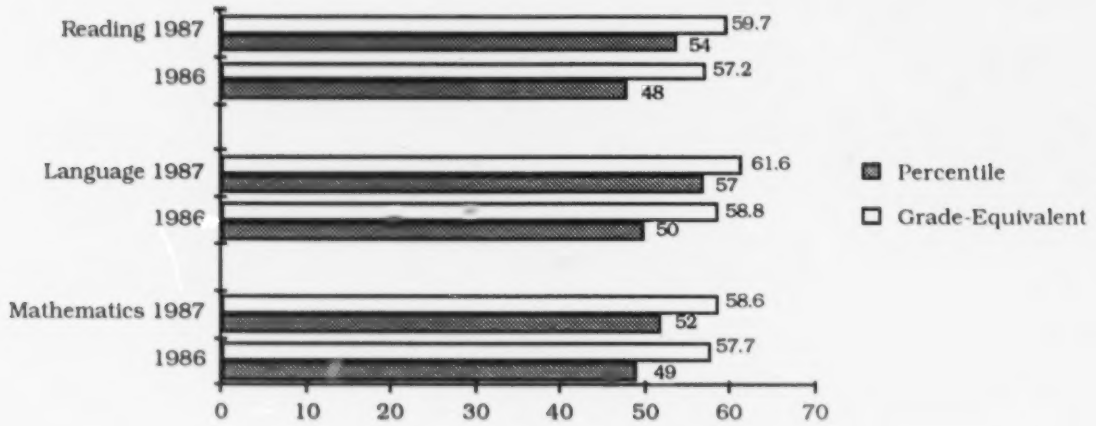
All scores for the Asian/Pacific Islander and White groups were higher than national average scores. The Asian/Pacific Islander group achieved higher than the White group on all tests except Vocabulary and Usage and Expression. Score patterns for the Black, Hispanic and American Indian/Alaskan Native groups were very similar to each other. The Hispanic group scored higher than the Black group on all tests except for Vocabulary, Reading Comprehension and Spelling.

The American Indian/Alaskan Native group scored lower than the Hispanic and Black groups except in Spelling and Punctuation. The Black, Hispanic and American Indian/Alaskan Native groups scored below the national average for all tests except the Hispanic group scored at the national average on Capitalization and Punctuation.

Compared to the fifth-grade ethnic groups tested in 1986, all 1987 groups showed gains across all tests. Percentile rank gains of 4 points or more were observed for all but the American Indian/Alaskan Native group in Reading Comprehension. All groups gained at least 4 percentile rank points in Language Total, and the Black and Asian/Pacific Islander groups gained at least that much in Mathematics Total.

Achievement Gain. Compared to the scores of Arizona fifth graders in 1986, this year's fifth graders showed gains in all three achievement areas. In Reading Comprehension, the average grade-equivalent score increased by 2.5 units (months) and the percentile rank increased by 6 points. Grade-equivalent performance for Language Total increased by almost 3 months and 7 percentile points. Grade-equivalent performance on Mathematics Total gained almost 1 month and 3 percentile points.

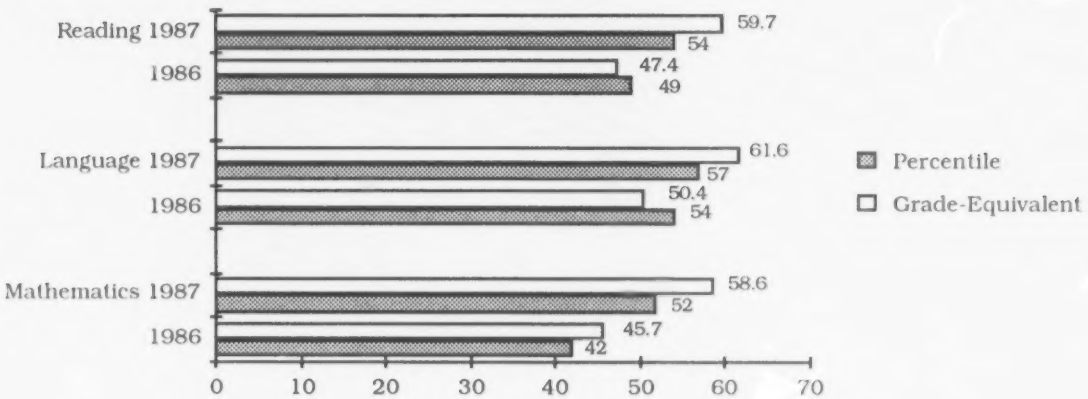
Figure 14. 1987 Arizona Gain* for Grade Five



*Pupil Percentile/Grade Equivalent Scores for 1986 and 1987

Achievement Growth. Arizona fifth graders performed better as a group than almost the same group performed last year as fourth graders. The largest growth was on Mathematics Total, with an increase of 12.9 grade-equivalent units and 10 national percentile points. For Reading Comprehension, growths were 12.3 months and 5 percentile points. The growth for Language Total was 11.2 months and 3 percentile points.

Figure 15. 1987 Arizona Growth* for Grade Five (1986 Grade Four)



*Pupil Percentile/Grade Equivalent Scores for 1986 and 1987

Table 15

COMPARISON OF NATIONAL NORMS AND 1987 ARIZONA AVERAGES
GRADE FIVE (INDIVIDUAL NORMS)

Subtest/Subject	NATIONAL NORMS			ARIZONA AVERAGES		
	Grade Equivalent	Percentile Rank[a]	Stanine	Grade Equivalent	Percentile Rank[b]	Stanine
Vocabulary	57.7	49	5	57.8	49	5
Reading Comprehension	58.3	52	5	59.7	54	5
Spelling	57.9	50	5	58.2	51	5
Capitalization	58.7	50	5	62.8	60	6
Punctuation	59.4	50	5	64.1	59	5
Usage and Expression	58.5	49	5	61.4	54	5
Language Skills - Total	58.8	50	5	61.6	57	5
Visual Materials	57.7	49	5	60.5	56	5
Reference Materials	57.5	50	5	58.4	52	5
Work-Study Skills - Total	57.4	51	5	59.5	56	5
Mathematics Concepts	59.6	52	5	59.7	52	5
Mathematics Problem Solving	57.2	48	5	57.5	49	5
Mathematics Computation	58.0	49	5	58.6	51	5
Mathematics Skills - Total	58.2	51	5	58.6	52	5
Composite - Complete	58.0	51	5	59.6	55	5

[a] Percentile ranks are for individuals. Percentile ranks for national values have been interpolated.
[b] Percentile ranks for state averages have been obtained by rounding average grade equivalents to the nearest whole number and converting them to percentile ranks from a conversion table.

Table 16

COMPARISON OF NATIONAL NORMS AND 1987 ARIZONA AVERAGES
GRADE FIVE (GROUP NORMS)

Subtest/Subject	NATIONAL NORMS			ARIZONA AVERAGES		
	Grade Equivalent	Percentile Rank[a]	Stanine	Grade Equivalent	Percentile Rank[b]	Stanine
Vocabulary	57.7	42	5	57.8	42	5
Reading Comprehension	58.3	45	5	59.7	52	5
Spelling	57.9	45	5	58.2	46	5
Capitalization	58.7	45	5	62.8	66	6
Punctuation	59.4	47	5	64.1	70	6
Usage and Expression	58.5	45	5	61.4	56	5
Language Skills - Total	58.8	45	5	61.6	58	5
Visual Materials	57.7	49	5	60.5	60	5
Reference Materials	57.5	44	5	58.4	48	5
Work-Study Skills - Total	57.4	45	5	59.5	55	5
Mathematics Concepts	59.6	50	5	59.7	51	5
Mathematics Problem Solving	57.2	45	5	57.5	47	5
Mathematics Computation	58.0	48	5	58.6	53	5
Mathematics Skills - Total	58.2	49	5	58.6	52	5
Composite - Complete	58.0	44	5	59.6	53	5

[a] Percentile ranks are for group averages. Percentile ranks for national values have been interpolated.
[b] Percentile ranks for state averages have been obtained by rounding average grade equivalents to the nearest whole number and converting them to percentile ranks from a conversion table.

Table 17

ANALYSIS BY VARIABLES
GRADE FIVE

	READING COMPREHENSION				TOTAL LANGUAGE				TOTAL MATHEMATICS			
	Number	%	Grade Equiv.	Percentile*	Number	%	Grade Equiv.	Percentile*	Number	%	Grade Equiv.	Percentile*
Sex												
Male	15,795	39.4	59	52	15,712	39.3	59	50	15,684	39.4	58	50
Female	15,251	38.0	60	56	15,207	38.1	64	62	15,159	38.1	59	53
Unknown	9,041	22.6	61	57	9,005	22.6	63	60	8,981	22.5	60	56
Primary Language												
English	33,669	84.0	61	58	33,527	84.0	63	60	33,457	84.0	60	56
Spanish	3,424	8.5	50	31	3,424	8.6	53	38	3,400	8.5	52	33
Spanish exclusively	129	0.3	46	24	132	0.3	48	28	134	0.3	51	30
Navajo	627	1.6	46	23	624	1.5	51	33	624	1.6	49	25
Navajo exclusively	24	0.1	41	15	23	0.1	46	22	23	0.1	46	16
Other	451	1.1	54	41	453	1.1	58	47	455	1.1	56	45
Other exclusively	26	0.1	54	41	26	0.1	59	52	26	0.1	60	58
Unknown	1,737	4.3	58	50	1,715	4.3	59	50	1,705	4.3	56	45
Racial/Ethnic												
White	25,056	62.5	63	62	24,937	62.5	65	63	24,889	62.5	61	61
Black	1,502	3.7	54	41	1,494	3.7	56	44	1,492	3.7	53	36
Hispanic	8,679	21.7	54	40	8,674	21.7	57	45	8,642	21.7	54	39
American Indian or Alaskan	2,460	6.1	50	32	2,449	6.1	54	39	2,440	6.1	51	30
Asian or Pacific Islander	546	1.4	65	65	546	1.4	69	72	549	1.4	65	72
Unknown	1,844	4.6	58	50	1,824	4.6	59	51	1,812	4.6	56	45

*Based on individual norms.

GRADE SIX

Strengths and Weaknesses. Sixth-grade pupils performed average to above average on all ITBS tests. Average grade equivalents ranged from 67.2 on Mathematics Problem Solving to 74.3 on Punctuation. National percentile ranks for these grade-equivalent averages ranged from 42 to 70 with the median at 53.

Group Differences. Approximately the same number of males and females took the test in the sixth grade although gender was not identified for 19.4% of the pupils. The female group outscored the male group on all tests except for Vocabulary and Mathematics Concepts where performance was equal.

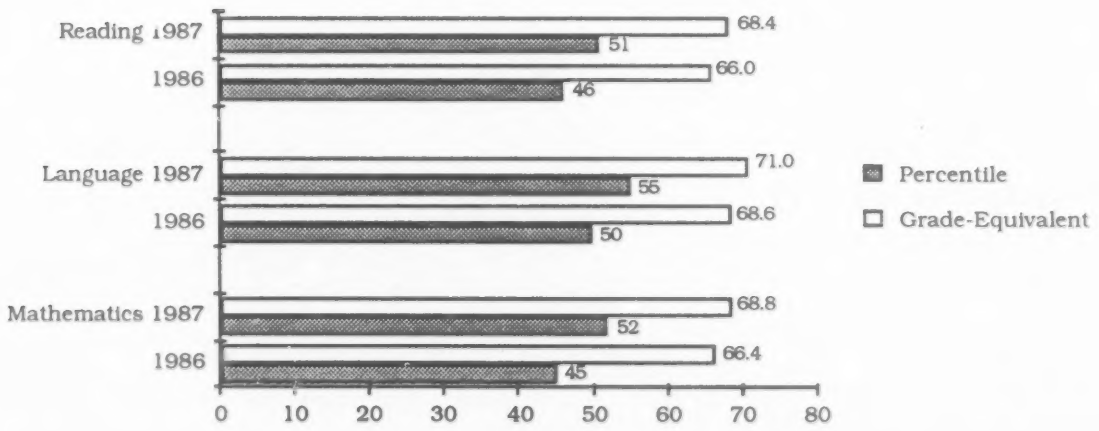
The racial/ethnic background of the sixth-grade student population was 62.3% White, 3.7% Black, 21.9% Hispanic, 6.0% American Indian/Alaskan Native and 1.5% Asian/Pacific Islander.

The White and Asian/Pacific Islander groups scored above the national average on all tests. The scores of the White group were slightly higher than those of the Asian/Pacific Islander group on Vocabulary, Reading Comprehension and Usage and Expression, but the Asian/Pacific Islander group scored slightly to well above the White group on all other tests. The Black, Hispanic and American Indian/Alaskan Native groups scored below to well below national averages on all tests. The Hispanic group scored slightly above the national average on Punctuation. Averages for the Hispanic group were generally slightly higher than those for the Black group except on Vocabulary and Spelling. The American Indian/Alaskan Native group's scores were below those of the Black and Hispanic groups.

The current groups of Arizona sixth-grade ethnic groups showed gains in all areas over scores obtained by last year's groups. The White and Black groups gained at least 5 national percentile points in all three areas. The Hispanic group gained 4 percentile points on Language Total and 7 on Mathematics Total. The American Indian/Alaskan Native group showed a gain of 8 percentile points on Mathematics Total; the Asian/Pacific Islander group gained 4 points on Language Total.

Achievement Gain. Arizona sixth graders scored higher in all achievement areas than did the 1986 sixth graders. Gains of 2.4 average grade-equivalent units were recorded in each area. These translate to gains of 5 national percentile units in each of Reading Comprehension and Language Total and 7 points in Mathematics Total.

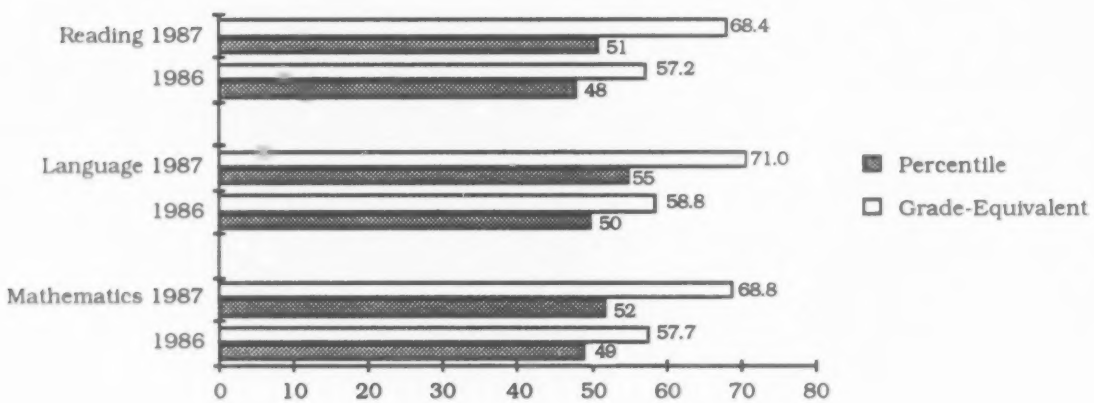
Figure 16. 1987 Arizona Gain* for Grade Six



*Pupil Percentile/Grade Equivalent Scores for 1986 and 1987

Achievement Growth. The current group of sixth graders is approximately the same group that were fifth graders in 1986. The greatest amount of growth occurred in Language Total where the average grade-equivalent score increased 12.2 units and the national percentile rank increased by 4 points. The grade equivalent increased by slightly more than 11 months and 3 percentile points in Reading Comprehension and Mathematics Total.

Figure 17. 1987 Arizona Growth* for Grade Six (1986 Grade Five)



*Pupil Percentile/Grade Equivalent Scores for 1986 and 1987

Table 18

COMPARISON OF NATIONAL NORMS AND 1987 ARIZONA AVERAGES
GRADE SIX (INDIVIDUAL NORMS)

Subtest/Subject	NATIONAL NORMS			ARIZONA AVERAGES		
	Grade Equivalent	Percentile Rank[a]	Stanine	Grade Equivalent	Percentile Rank[b]	Stanine
Vocabulary	67.2	48	5	67.5	49	5
Reading Comprehension	68.0	50	5	68.4	51	5
Spelling	67.3	50	5	67.7	50	5
Capitalization	68.3	51	5	71.8	57	5
Punctuation	68.4	49	5	74.3	61	6
Usage and Expression	67.9	49	5	69.8	52	5
Language Skills - Total	68.3	50	5	71.0	55	5
Visual Materials	67.3	49	5	69.1	52	5
Reference Materials	67.3	49	5	67.3	49	5
Work-Study Skills - Total	67.3	50	5	68.2	52	5
Mathematics Concepts	69.7	51	5	70.5	53	5
Mathematics Problem Solving	67.1	48	5	67.2	48	5
Mathematics Computation	67.8	48	5	68.6	51	5
Mathematics Skills - Total	68.2	51	5	68.8	52	5
Composite - Complete	67.8	50	5	68.9	53	5

[a] Percentile ranks are for individuals. Percentile ranks for national values have been interpolated.
[b] Percentile ranks for state averages have been obtained by rounding average grade equivalents to the nearest whole number and converting them to percentile ranks from a conversion table.

Table 19

COMPARISON OF NATIONAL NORMS AND 1987 ARIZONA AVERAGES
GRADE SIX (GROUP NORMS)

Subtest/Subject	NATIONAL NORMS			ARIZONA AVERAGES		
	Grade Equivalent	Percentile Rank[a]	Stanine	Grade Equivalent	Percentile Rank[b]	Stanine
Vocabulary	67.2	41	5	67.5	42	5
Reading Comprehension	68.0	43	5	68.4	45	5
Spelling	67.3	44	5	67.7	46	5
Capitalization	68.3	44	5	71.8	59	5
Punctuation	68.4	46	5	74.3	70	6
Usage and Expression	67.9	43	5	69.8	49	5
Language Skills - Total	68.3	44	5	71.0	56	5
Visual Materials	67.3	46	5	69.1	53	5
Reference Materials	67.3	44	5	67.3	44	5
Work-Study Skills - Total	67.3	45	5	68.2	49	5
Mathematics Concepts	69.7	51	5	70.5	54	5
Mathematics Problem Solving	67.1	47	5	67.2	47	5
Mathematics Computation	67.8	47	5	68.6	53	5
Mathematics Skills - Total	68.2	50	5	68.8	54	5
Composite - Complete	67.8	44	5	68.9	50	5

[a] Percentile ranks are for group averages. Percentile ranks for national values have been interpolated.
[b] Percentile ranks for state averages have been obtained by rounding average grade equivalents to the nearest whole number and converting them to percentile ranks from a conversion table.

Table 20

ANALYSIS BY VARIABLES
GRADE SIX

	READING COMPREHENSION				TOTAL LANGUAGE				TOTAL MATHEMATICS			
	Number	%	Grade Equiv.	Percentile*	Number	%	Grade Equiv.	Percentile*	Number	%	Grade Equiv.	Percentile*
Sex												
Male	16,164	40.6	67	48	16,093	40.6	68	49	16,047	40.6	68	49
Female	15,964	40.0	69	53	15,884	40.0	73	60	15,819	40.0	69	53
Unknown	7,743	19.4	70	54	7,693	19.4	73	59	7,674	19.4	70	57
Primary Language												
English	33,722	84.6	70	55	33,554	84.6	72	58	33,426	84.5	70	56
Spanish	3,151	7.9	57	28	3,138	7.9	61	36	3,130	7.9	61	32
Spanish exclusively	99	0.2	53	22	102	0.2	57	27	102	0.3	61	30
Navajo	592	1.5	51	18	594	1.5	55	25	592	1.5	57	20
Navajo exclusively	32	0.1	50	17	32	0.1	54	23	33	0.1	55	17
Other	444	1.1	63	39	445	1.1	67	46	451	1.1	67	46
Other exclusively	65	0.2	54	23	63	0.2	59	31	65	0.2	62	34
Unknown	1,766	4.4	65	45	1,742	4.4	68	49	1,741	4.4	66	45
Racial/Ethnic												
White	24,831	62.3	73	60	24,716	62.3	74	62	24,620	62.3	72	61
Black	1,475	3.7	61	36	1,474	3.7	64	42	1,459	3.7	62	34
Hispanic	8,725	21.9	61	36	8,683	21.9	65	43	8,664	21.9	64	38
American Indian or Alaskan	2,406	6.0	57	29	2,385	6.0	61	36	2,385	6.0	60	29
Asian or Pacific Islander	593	1.5	73	59	589	1.5	78	69	594	1.5	75	70
Unknown	1,841	4.6	66	45	1,823	4.6	68	50	1,818	4.6	67	46

*Based on individual norms.

GRADE SEVEN

Strengths and Weaknesses. Arizona seventh graders scored at the national average on Reading Comprehension, but performance on Spelling, Mathematics Concepts and Mathematics Problem Solving were below the national average. The lowest score was on Spelling (75.1) and the highest score was on Punctuation (82.6). National percentile ranks for these grade equivalent averages ranged from 36 to 65 with the median at 45.

Group Differences. Approximately 2% more males than females took the ITBS in seventh grade. Performance of the seventh-grade female group was better on all tests and area totals than that of the male group except on the Vocabulary test where the boys outperformed the girls and on the Mathematics Concepts test, where the scores were the same.

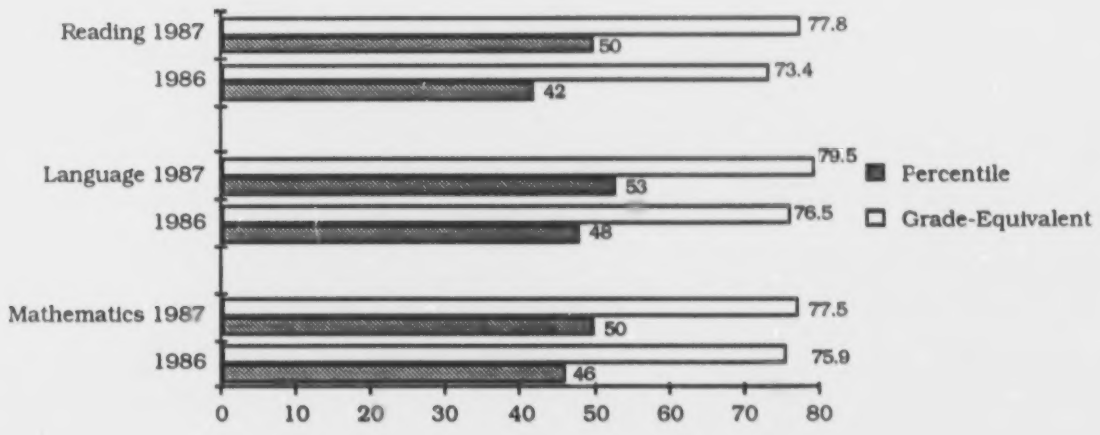
The racial/ethnic background of the seventh-grade student population was 61.1% White, 3.6% Black, 21.3% Hispanic, 6.3% American Indian/Alaskan Native and 1.6% Asian/Pacific Islander.

Averages for the Asian/Pacific Islander and White groups were at or above the national average for all tests. Scores for the Black and Hispanic groups were below the national average on all tests. The Hispanic group performed slightly better than the Black group on all but the Vocabulary test. The American Indian/Alaskan Native group scored below the national average in all areas.

All five ethnic groups showed gains in all areas over the 1986 seventh-grade ethnic groups. Gains in national percentile points for the White group were 8 on Reading Comprehension, 6 on Language Total and 4 on Mathematics Total. Corresponding gains for the other groups were 7, 4 and 4 for the Black group; 7, 6 and 5 for the Hispanic group; and 5, 5 and 2 for the American Indian/Alaskan Native group; and 10, 7 and 4 for the Asian/Pacific Islander group.

Achievement Gain. The 1987 seventh-grade group showed gains in performance in all three achievement areas compared to the 1986 seventh-grade group. The greatest gain was in Reading Comprehension with gains of 4.4 grade-equivalent units and 8 national percentile points. Language Total gains were 3.0 months and 5 percentile points; gains in Mathematics Total were 1.6 months and 4 percentile points.

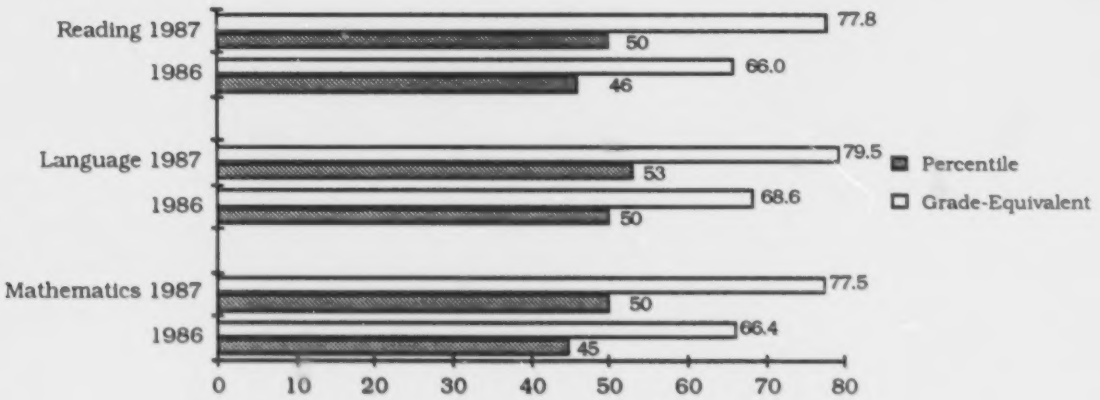
Figure 18. 1987 Arizona Gain* for Grade Seven



*Pupil Percentile/Grade Equivalent Scores for 1986 and 1987

Achievement Growth. The Arizona seventh-grade group showed above average growth over its performance from last year when approximately the same group were sixth graders. In Reading Comprehension, the group showed a growth of 11.8 grade-equivalent units and 4 national percentile points. Growths of 10.9 months and 3 percentile points occurred for Language Total and 11.1 months and 5 percentile points for Mathematics Total.

Figure 19. 1987 Arizona Growth* for Grade Seven (1986 Grade Six)



*Pupil Percentile/Grade Equivalent Scores for 1986 and 1987

Table 21

COMPARISON OF NATIONAL NORMS AND 1987 ARIZONA AVERAGES
GRADE SEVEN (INDIVIDUAL NORMS)

Subtest/Subject	NATIONAL NORMS			ARIZONA AVERAGES		
	Grade Equivalent	Percentile Rank[a]	Stanine	Grade Equivalent	Percentile Rank[b]	Stanine
Vocabulary	77.2	47	5	77.5	48	5
Reading Comprehension	78.0	50	5	77.8	50	5
Spelling	76.8	49	5	75.1	46	5
Capitalization	78.1	49	5	81.8	55	5
Punctuation	77.4	48	5	82.6	59	5
Usage and Expression	77.2	48	5	78.0	49	5
Language Skills - Total	77.5	50	5	79.5	53	5
Visual Materials	76.7	47	5	78.8	52	5
Reference Materials	77.1	48	5	76.5	47	5
Work-Study Skills - Total	76.9	48	5	77.7	50	5
Mathematics Concepts	79.3	51	5	78.4	49	5
Mathematics Problem Solving	76.8	48	5	77.3	49	5
Mathematics Computation	77.3	48	5	76.7	46	5
Mathematics Skills - Total	77.6	50	5	77.5	50	5
Composite - Complete	77.5	50	5	78.3	53	5

[a] Percentile ranks are for individuals. Percentile ranks for national values have been interpolated.
[b] Percentile ranks for state averages have been obtained by rounding average grade equivalents to the nearest whole number and converting them to percentile ranks from a conversion table.

Table 22

COMPARISON OF NATIONAL NORMS AND 1987 ARIZONA AVERAGES
GRADE SEVEN (GROUP NORMS)

Subtest/Subject	NATIONAL NORMS			ARIZONA AVERAGES		
	Grade Equivalent	Percentile Rank[a]	Stanine	Grade Equivalent	Percentile Rank[b]	Stanine
Vocabulary	77.2	42	5	77.5	43	5
Reading Comprehension	78.0	43	5	77.8	42	5
Spelling	76.8	44	5	75.1	36	5
Capitalization	78.1	43	5	81.8	57	5
Punctuation	77.4	45	5	82.6	65	6
Usage and Expression	77.9	42	5	78.0	44	5
Language Skills - Total	77.5	41	5	79.5	50	5
Visual Materials	76.7	45	5	78.8	52	5
Reference Materials	77.1	43	5	76.5	42	5
Work-Study Skills - Total	76.9	45	5	77.7	47	5
Mathematics Concepts	79.3	48	5	78.4	45	5
Mathematics Problem Solving	76.8	47	5	77.3	49	5
Mathematics Computation	77.3	45	5	76.7	41	5
Mathematics Skills - Total	77.6	48	5	77.5	48	5
Composite - Complete	77.5	44	5	78.3	48	5

[a] Percentile ranks are for group averages. Percentile ranks for national values have been interpolated.
[b] Percentile ranks for state averages have been obtained by rounding average grade equivalents to the nearest whole number and converting them to percentile ranks from a conversion table.

Table 23

ANALYSIS BY VARIABLES
GRADE SEVEN

	READING COMPREHENSION				TOTAL LANGUAGE				TOTAL MATHEMATICS			
	Number	%	Grade Equiv.	Percentile*	Number	%	Grade Equiv.	Percentile*	Number	%	Grade Equiv.	Percentile*
Sex												
Male	19,163	48.2	77	47	18,997	48.2	77	48	18,990	48.2	77	49
Female	18,285	46.0	80	52	18,174	46.0	83	59	18,180	46.0	78	52
Unknown	2,313	5.8	75	45	2,298	5.8	77	49	2,312	5.9	76	45
Primary Language												
English	33,365	83.9	80	53	33,127	84.0	81	56	33,131	83.9	79	53
Spanish	2,882	7.3	65	27	2,850	7.2	69	35	2,855	7.3	70	33
Spanish exclusively	131	0.3	58	17	129	0.3	63	25	128	0.3	69	28
Navajo	598	1.5	57	16	593	1.5	64	26	596	1.5	64	19
Navajo exclusively	47	0.1	58	17	48	0.1	62	24	48	0.1	64	18
Other	369	1.0	70	36	371	1.0	74	44	372	1.0	76	47
Other exclusively	54	0.1	70	36	54	0.1	75	45	55	0.1	76	46
Unknown	2,315	5.8	75	45	2,297	5.8	77	49	2,297	5.8	76	46
Racial/Ethnic												
White	24,308	61.1	83	57	24,152	61.2	83	60	24,130	61.1	81	58
Black	1,428	3.6	69	34	1,420	3.6	72	39	1,411	3.6	70	32
Hispanic	8,475	21.3	70	36	8,393	21.3	73	43	8,409	21.3	72	38
American Indian or Alaskan	2,492	6.3	65	28	2,464	6.2	69	35	2,485	6.3	68	27
Asian or Pacific Islander	633	1.6	84	59	636	1.6	88	69	635	1.6	86	70
Unknown	2,425	6.1	76	46	2,404	6.1	77	49	2,412	6.1	76	47

*Based on individual norms.

GRADE EIGHT

Strengths and Weaknesses. Eighth-grade pupils in Arizona scored above average on all tests of the ITBS except for Vocabulary, Reading Comprehension, Spelling and Mathematics Concepts. National grade-equivalent averages ranged from 83.4 on Spelling to 94.0 on Punctuation. National percentile ranks for these grade equivalent averages ranged from 32 to 71 with the median at 48.

Group Differences. Approximately equal numbers of male and female eighth graders took the ITBS. The eighth-grade male group scored higher on Vocabulary and Mathematics Concepts tests than did the female group. The female group performed better on all other tests.

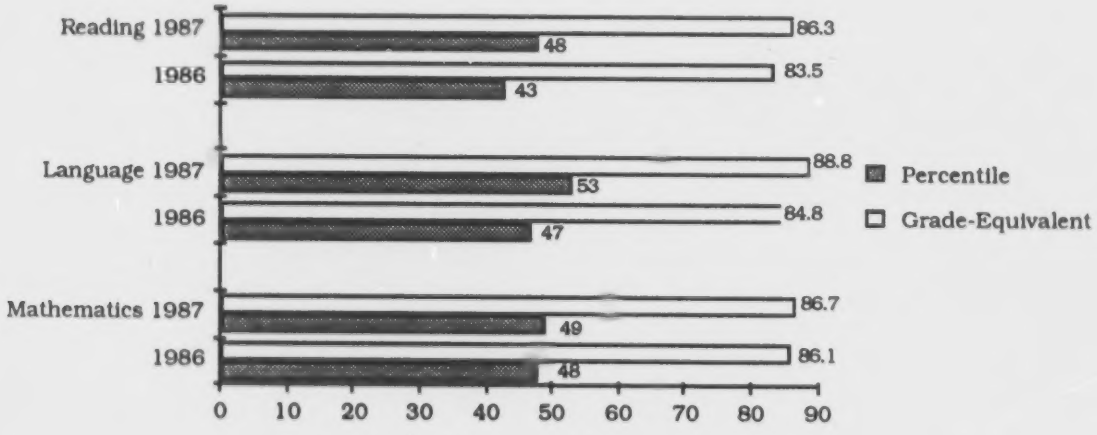
The racial/ethnic background of the eighth-grade student population was 61.7% White, 3.6% Black, 21.3% Hispanic, 6.2% American Indian/Alaskan Native and 1.7% Asian/Pacific Islander.

The White and Asian/Pacific Islander groups scored above the national average on all tests. The Black, Hispanic and American Indian/Alaskan Native groups generally scored below the national average on all tests, but the Hispanic group scored above average on Punctuation. The Black and Hispanic groups obtained similar scoring profiles across all tests. However, the Hispanic group slightly outscored the Black group on the Mathematics tests and the Black group did better on the Vocabulary test. The American Indian/Alaskan Native group scored below both groups on all but the Mathematics Computation test where their performance equaled that of the Black group.

All eighth-grade groups performed at or above 1986 performance levels. The 1987 White group showed gains of 8 national percentile points in Language Total and 6 points in Reading Comprehension. The Black and Hispanic groups gained 5 percentile points in Language Total; the American Indian/Alaskan Native and Asian/Pacific Islander groups gained 6 points in the same area.

Achievement Gain. Arizona eighth graders showed performance gains in all three achievement areas in comparison with 1986 eighth-grade performance. The greatest gain occurred in Language Total, where improvements of 4 grade-equivalent units and 6 national percentile points were observed. Gains in Reading Comprehension were 2.8 months and 5 percentile points. Mathematics gains were more modest--slightly more than a half month and one percentile point.

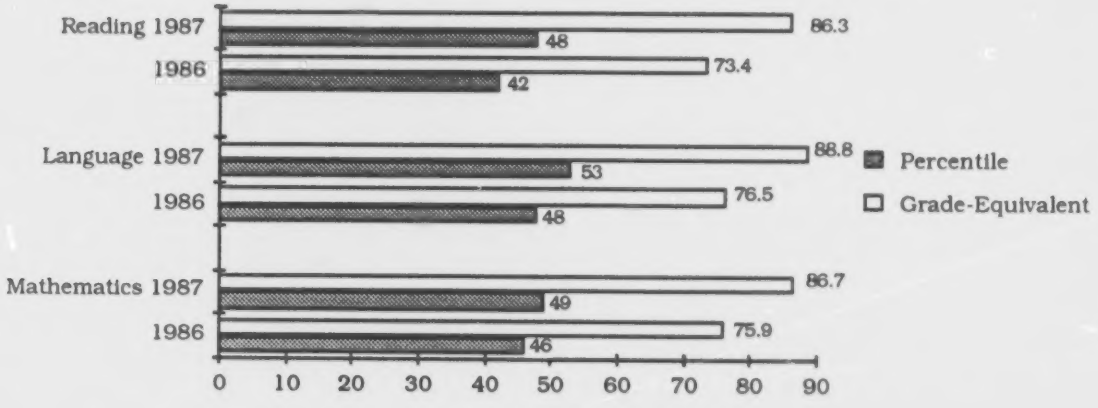
Figure 20. 1987 Arizona Gain* for Grade Eight



*Pupil Percentile/Grade Equivalent Scores for 1986 and 1987

Achievement Growth. The 1987 group of eighth graders is almost the same group that were seventh graders in 1986. Growths in grade-equivalent units were 12.9 months on Reading Comprehension, 12.3 months on Language Total and 10.8 months on Mathematics Total. The corresponding growths in national percentile ranks were 6 points, 5 points and 3 points, respectively.

Figure 21. 1987 Arizona Growth* for Grade Eight (1986 Grade Seven)



*Pupil Percentile/Grade Equivalent Scores for 1986 and 1987

Table 24

COMPARISON OF NATIONAL NORMS AND 1987 ARIZONA AVERAGES
GRADE EIGHT (INDIVIDUAL NORMS)

Subtest/Subject	NATIONAL NORMS			ARIZONA AVERAGES		
	Grade Equivalent	Percentile Rank[a]	Stanine	Grade Equivalent	Percentile Rank[b]	Stanine
Vocabulary	86.2	46	5	85.3	45	5
Reading Comprehension	86.6	48	5	86.3	48	5
Spelling	85.1	47	5	83.4	45	5
Capitalization	87.0	48	5	90.9	53	5
Punctuation	85.3	47	5	94.0	62	6
Usage and Expression	86.0	47	5	86.4	48	5
Language Skills - Total	86.0	48	5	88.8	53	5
Visual Materials	85.5	46	5	86.4	47	5
Reference Materials	86.0	47	5	86.0	47	5
Work-Study Skills - Total	85.8	47	5	86.2	47	5
Mathematics Concepts	88.4	49	5	88.3	49	5
Mathematics Problem Solving	85.3	46	5	86.4	48	5
Mathematics Computation	85.1	44	5	85.3	45	5
Mathematics Skills - Total	86.1	48	5	86.7	49	5
Composite - Complete	86.3	49	5	87.0	50	5

[a] Percentile ranks are for group averages. Percentile ranks for national values have been interpolated.
[b] Percentile ranks for state averages have been obtained by rounding average grade equivalents to the nearest whole number and converting them to percentile ranks from a conversion table.

Table 25

COMPARISON OF NATIONAL NORMS AND 1987 ARIZONA AVERAGES
GRADE EIGHT (GROUP NORMS)

Subtest/Subject	NATIONAL NORMS			ARIZONA AVERAGES		
	Grade Equivalent	Percentile Rank[a]	Stanine	Grade Equivalent	Percentile Rank[b]	Stanine
Vocabulary	86.2	42	5	85.3	39	5
Reading Comprehension	86.6	42	5	86.3	41	5
Spelling	85.1	39	4	83.4	32	5
Capitalization	87.0	39	4	90.9	53	5
Punctuation	85.3	39	4	94.0	71	6
Usage and Expression	86.0	40	5	86.4	41	5
Language Skills - Total	86.0	39	4	88.8	49	5
Visual Materials	85.5	44	5	86.4	46	5
Reference Materials	86.0	41	5	86.0	41	5
Work-Study Skills - Total	85.8	42	5	86.2	44	5
Mathematics Concepts	88.4	48	5	88.3	48	5
Mathematics Problem Solving	85.3	45	5	86.4	50	5
Mathematics Computation	85.1	44	5	85.3	42	5
Mathematics Skills - Total	86.1	45	5	86.7	49	5
Composite - Complete	86.3	41	5	87.0	44	5

[a] Percentile ranks are for group averages. Percentile ranks for national values have been interpolated.
[b] Percentile ranks for state averages have been obtained by rounding average grade equivalents to the nearest whole number and converting them to percentile ranks from a conversion table.

Table 26

ANALYSIS BY VARIABLES
GRADE EIGHT

	READING COMPREHENSION				TOTAL LANGUAGE				TOTAL MATHEMATICS			
	Number	%	Grade Equiv.	Percentile*	Number	%	Grade Equiv.	Percentile*	Number	%	Grade Equiv.	Percentile*
Sex												
Male	18,774	47.7	84	45	18,609	47.7	85	47	18,628	47.7	86	49
Female	18,278	46.4	89	51	18,102	46.4	92	59	18,115	46.4	87	51
Unknown	2,315	5.9	84	45	2,307	5.9	88	51	2,329	5.9	85	46
Primary Language												
English	33,412	84.9	80	50	33,121	84.9	90	56	33,137	84.8	88	52
Spanish	2,831	7.2	73	26	2,815	7.2	77	35	2,833	7.2	79	33
Spanish exclusively	112	0.3	63	14	112	0.3	66	19	112	0.3	75	26
Navajo	586	1.5	64	15	579	1.5	70	24	583	1.5	72	20
Navajo exclusively	23	0.1	60	11	23	0.1	69	23	23	0.1	73	22
Other	431	1.1	76	31	422	1.1	82	42	426	1.1	83	41
Other exclusively	41	0.1	76	31	40	0.1	78	35	39	0.1	83	42
Unknown	1,931	4.8	85	45	1,906	4.8	87	50	1,919	4.9	86	47
Racial/Ethnic												
White	24,293	61.7	91	56	24,086	61.7	93	60	24,083	61.6	90	57
Black	1,418	3.6	77	33	1,398	3.6	81	40	1,398	3.6	79	33
Hispanic	8,389	21.3	78	33	8,328	21.3	81	41	8,349	21.4	81	37
American Indian or Alaskan	2,422	6.2	73	27	2,391	6.2	77	35	2,409	6.2	77	30
Asian or Pacific Islander	671	1.7	89	52	663	1.7	95	63	665	1.7	94	66
Unknown	2,174	5.5	85	45	2,152	5.5	87	50	2,168	5.5	86	47

*Based on individual norms.

GRADE NINE

Strengths and Weaknesses. Ninth-grade Arizona students scored significantly above the national average on the Reading Comprehension and Mathematics Computation subtests. Performance on the Vocabulary and Listening Comprehension subtests was significantly below the national average. All other subtest scores were very close to the national average. Compared with last year's results, all percentile ranks in the Reading, Listening and Language areas decreased by 1 to 2 percentile points (0.1 to 0.3 grade equivalents*). The Concepts of Number subtest showed a slight increase (1 percentile point - 0.1 grade equivalent) as did Total Mathematics (1 percentile point - 0.1 grade equivalent).

Group Differences. Females achieved significantly higher percentile ranks than males on the Reading Comprehension, Spelling and Language subtests. Males scored higher than females on the Concepts of Number and Mathematics Applications subtests, though these differences were not significant. The greatest difference in scores for the two sexes is 16 percentile points on the Spelling subtest.

Of those ninth-grade students reporting their racial/ethnic backgrounds, 53.3% were White, 1.9% were Black, 15.9% were Hispanic, 6.2% were American Indian/Alaskan Native and 1.4% were Asian/Pacific Islander; 21.3% of the students tested did not report their racial/ethnic backgrounds. Scores at or above the 51st percentile and 9.8 grade equivalent were achieved by the White

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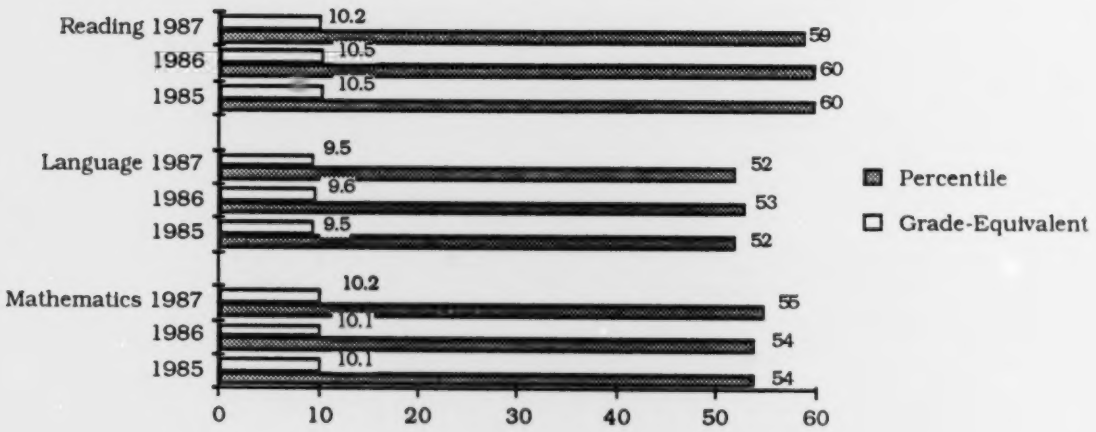
* 0.1 Grade Equivalent = 1 month; 0.3 Grade Equivalent = 3 months

and Asian/Pacific Islander groups on all tests. The Black and American Indian/Alaskan Native groups earned their highest scores in Spelling (45th percentile - 8.9 grade equivalent and 38th percentile - 8.3 grade equivalent, respectively) and their lowest scores in Vocabulary (33rd percentile - 8.1 grade equivalent and 14th percentile - 6.1 grade equivalent, respectively). The Hispanic group achieved its highest score in Mathematics Computation (45th percentile - 9.4 grade equivalent) and its lowest score also in Vocabulary (28th percentile - 7.6 grade equivalent).

For the White, Hispanic and American Indian/Alaskan Native groups, there was no significant change in performance from 1986 to 1987. However, the Black group showed a significant gain of 5 percentile points in Reading Comprehension, and the Asian/Pacific Islander group showed significant gains of 5 percentile points in Reading Comprehension, Total Language and Total Mathematics.

Achievement Gain. Achievement gain, which is a comparison of same-grade 1985, 1986 and 1987 test scores, is presented for Reading Comprehension, Total Language and Total Mathematics for ninth-grade students in Figure 22. In Reading Comprehension, there was a slight decline of 1 percentile point in performance in 1987 from that observed in 1985 and 1986. There was also a slight decline of 1 percentile point from 1986 to 1987 in Total Language, although performance in 1985 and 1987 was exactly the same. In Total Mathematics, a 1 percentile point gain in performance from 1986 was observed. Since none of these differences is statistically significant, however, we can say only that performance in these areas has remained fairly stable over the two-year period.

Figure 22. 1987 Arizona Gain* for Grade Nine



*Pupil Percentile/Grade Equivalent Scores for 1985,1986 and 1987

Table 27

COMPARISON OF NATIONAL NORMS AND 1987 ARIZONA AVERAGES
GRADE NINE (INDIVIDUAL NORMS)

Subtest/Subject	NATIONAL NORMS[a]			ARIZONA AVERAGES[a]		
	Grade Equivalent	Percentile Rank[b]	Stanine[b]	Grade Equivalent	Percentile Rank[b]	Stanine[b]
Reading Comprehension	9.2	51	5	10.2	59	5
Vocabulary	10.0	53	5	9.1	45	5
Listening Comprehension	9.3	51	5	8.5	45	5
Total Listening	10.0	51	5	9.1	45	5
Spelling	9.7	51	5	9.8	52	5
Language	9.2	49	5	9.7	52	5
Total Language	9.2	50	5	9.5	52	5
Concepts of Number	10.1	55	5	10.5	58	5
Mathematics Computation	10.1	53	5	10.8	58	5
Mathematics Applications	9.8	54	5	9.9	55	5
Total Mathematics	9.9	52	5	10.2	55	5

[a] Derived from mean scaled score.
[b] Based on individual norms.

Table 28

COMPARISON OF NATIONAL NORMS AND 1987 ARIZONA AVERAGES
GRADE NINE (GROUP NORMS)

Subtest/Subject	NATIONAL NORMS[a]			ARIZONA AVERAGES[a]		
	Grade Equivalent	Percentile Rank[b]	Stanine[b]	Grade Equivalent	Percentile Rank[b]	Stanine[b]
Reading Comprehension	9.2	60	6	10.2	75	6
Vocabulary	10.0	84	7	9.1	67	6
Listening Comprehension	9.3	75	6	8.5	63	6
Total Listening	10.0	77	7	9.1	65	6
Spelling	9.7	66	6	9.8	68	6
Language	9.2	52	5	9.7	58	5
Total Language	9.2	65	6	9.5	69	6
Concepts of Number	10.1	51	5	10.5	59	5
Mathematics Computation	10.1	53	5	10.8	65	6
Mathematics Applications	9.8	50	5	9.9	52	5
Total Mathematics	9.9	56	5	10.2	64	6

[a] Derived from mean scaled score.
[b] Based on group norms.

Table 29

ANALYSIS BY VARIABLES
GRADE NINE

	READING COMPREHENSION				TOTAL LANGUAGE				TOTAL MATHEMATICS			
	Number	%	Grade Equiv.	Percentile*	Number	%	Grade Equiv.	Percentile*	Number	%	Grade Equiv.	Percentile*
Sex												
Male	20,106	50.3	9.9	55	19,844	50.3	8.7	45	19,692	50.4	10.2	55
Female	19,527	48.9	10.7	62	19,296	48.9	10.4	58	19,110	48.9	10.1	54
Unknown	307	0.8	9.8	56	311	0.8	8.9	47	296	0.8	9.9	51
Primary Language												
English	28,302	70.9	11.1	64	28,018	71.0	10.0	56	27,751	71.0	10.7	60
Spanish	2,179	5.4	7.2	34	2,158	5.5	7.2	30	2,119	5.4	8.4	34
Spanish exclusively	75	0.1	6.2	24	74	0.2	6.4	22	74	0.2	8.2	32
Navajo	585	1.5	5.4	17	582	1.5	6.2	20	582	1.5	7.3	21
Navajo exclusively	54	0.1	5.4	17	54	0.1	6.2	20	54	0.1	7.1	19
Other	373	0.9	7.2	34	371	0.9	7.6	34	370	0.9	9.9	53
Other exclusively	29	0.1	6.4	26	29	0.1	7.0	29	30	0.1	9.8	51
Unknown	8343	20.9	9.3	52	8,165	20.7	8.9	47	8,118	20.8	9.4	47
Racial/Ethnic												
White	21,275	53.3	12.0	69	21,099	53.5	10.5	59	20,942	53.6	11.4	64
Black	740	1.9	8.4	44	732	1.9	8.3	41	719	1.8	8.8	40
Hispanic	6,345	15.9	8.3	43	6,268	15.9	8.0	39	6,132	15.7	8.8	40
American Indian or Alaskan	2,492	6.2	6.9	31	2,442	6.2	7.2	30	2,443	6.2	8.0	29
Asian or Pacific Islander	566	1.4	11.4	66	564	1.4	11.2	65	565	1.4	PHS	76
Unknown	8,522	21.3	9.4	53	8,346	21.2	8.9	47	8,297	21.2	9.5	48

*Based on individual norms.

GRADE TEN

Strengths and Weaknesses. Tenth-grade Arizona students scored significantly above the national average on the Reading Comprehension and Mathematics subtests. All other subtest scores were very close to the national average and none was significantly lower. Percentile ranks on all subtests ranged from 49 to 59. The lowest score was in Spelling, and the highest score was in Mathematics. Achievement changed very little from 1986, with Total Reading showing a decline of 1 percentile point and Mathematics showing an increase of 1 percentile point. All other scores remained the same.

Group Differences. Females achieved significantly higher percentile scores than males on the Reading Comprehension, Spelling and English subtests. The greatest difference in scores for the two sexes is 12 percentile points in Total English. Males scored significantly higher than females only on the Reading Vocabulary subtest.

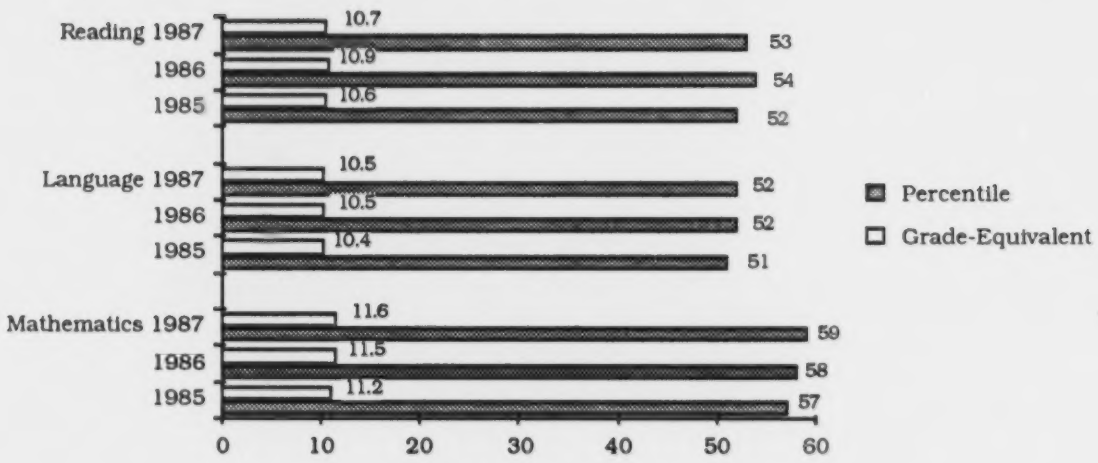
Of those tenth-grade students reporting their racial/ethnic backgrounds, 61.6% were White, 3.2% were Black, 17.7% were Hispanic, 5.3% were American Indian/Alaskan Native and 1.6% were Asian/Pacific Islander; 10.6% of the students tested did not report their racial/ethnic backgrounds. The White and Asian/Pacific Islander groups achieved scores at or above the 54th percentile and grade equivalents of 10.9 or higher on all subtests. The Black group achieved its highest score in Spelling (42nd percentile - 9.4 grade equivalent) and its lowest scores in English and Reading (38th percentile - 8.6 and 8.7 grade equivalents, respectively). The Hispanic group achieved its

highest score in Mathematics (44th percentile - 9.7 grade equivalent) and its lowest score in Reading (38th percentile - 8.7 grade equivalent). The American Indian/Alaskan Native group earned its highest score in Spelling (38th percentile - 8.9 grade equivalent) and its lowest score in Reading Vocabulary (25th percentile - 6.9 grade equivalent).

No significant changes in performance from 1986 to 1987 occurred with any of the racial/ethnic groups. All groups either maintained their position or fluctuated from 1 to 2 percentile points in all areas.

Achievement Gain. Achievement gain, which is a comparison of same-grade 1985, 1986 and 1987 test scores is presented for Reading, Language and Mathematics for tenth-grade students in Figure 23. In Reading, there was a slight decline of 1 percentile point in performance from 1986 to 1987, though 1987 performance is still 1 percentile point higher than that observed in 1985. In Language, there was no change from 1986 to 1987, with both 1 percentile point higher than 1985. A slight increase of 1 percentile point was observed in Mathematics, with performance in this area 2 percentile points higher than that observed in 1985. Since none of these differences is significant, we can say that performance has remained relatively stable over the two-year period.

Figure 23. 1987 Arizona Gain* for Grade Ten

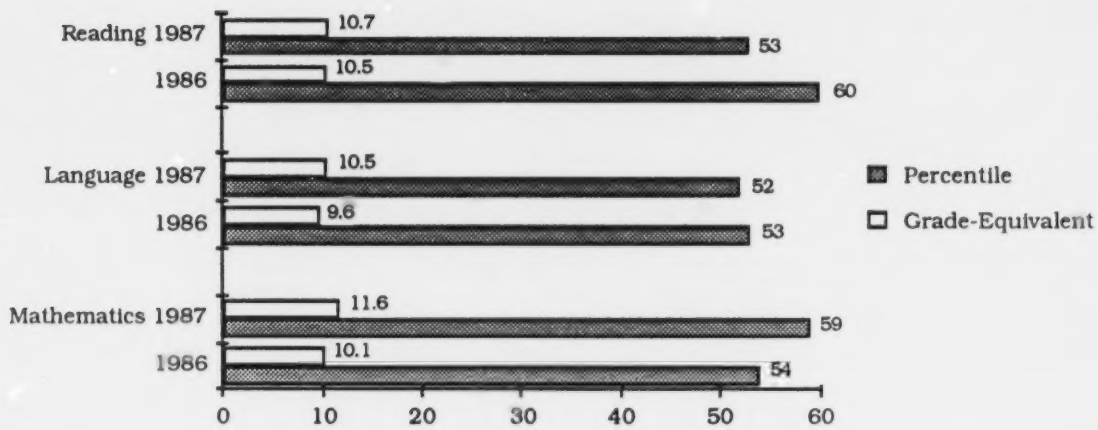


*Pupil Percentile/Grade Equivalent Scores for 1985, 1986 and 1987

Achievement Growth. Achievement growth is defined as the difference in percentile rank for relatively the same group of students from one year to the next. For example, one-year achievement growth compares Reading scores for 1986 ninth graders to those earned by 1987 tenth graders. This definition of growth assumes that if students are learning the skills in one grade as well as other students in the same grade nationally, then they should maintan their position relative to the national norm group in the next grade.

Achievement growth for Grade 10 is shown in Figure 24. A decrease of 5 percentile points in Reading and 1 percentile point in Total Language/English was observed for Grade 10, along with a 5 percentile point increase in Mathematics.

Figure 24. 1987 Arizona Growth* for Grade Ten (1986 Grade Nine)



*Pupil Percentile/Grade Equivalent Scores for 1986 and 1987

Table 30

COMPARISON OF NATIONAL NORMS AND 1987 ARIZONA AVERAGES
GRADE TEN (INDIVIDUAL NORMS)

Subtest/Subject	NATIONAL NORMS[a]			ARIZONA AVERAGES[a]		
	Grade Equivalent	Percentile Rank[b]	Stanine[b]	Grade Equivalent	Percentile Rank[b]	Stanine[b]
Reading Comprehension	10.0	48	5	11.0	55	5
Reading Vocabulary	10.5	52	5	11.0	55	5
Total Reading	10.1	49	5	10.7	53	5
Spelling	10.5	50	5	10.4	49	5
English	10.1	48	5	10.7	52	5
Total English	10.1	49	5	10.5	52	5
Mathematics	10.7	53	5	11.6	59	5

[a] Derived from mean scaled score.
[b] Based on individual norms.

Table 31

COMPARISON OF NATIONAL NORMS AND 1987 ARIZONA AVERAGES
GRADE TEN (GROUP NORMS)

Subtest/Subject	NATIONAL NORMS[a]			ARIZONA AVERAGES[a]		
	Grade Equivalent	Percentile Rank[b]	Stanine[b]	Grade Equivalent	Percentile Rank[b]	Stanine[b]
Reading Comprehension	10.0	57	5	11.0	73	6
Reading Vocabulary	10.5	57	5	11.0	63	6
Total Reading	10.1	54	5	10.7	64	6
Spelling	10.5	63	6	10.4	61	6
English	10.1	54	5	10.7	64	6
Total English	10.1	57	5	10.5	64	6
Mathematics	10.7	59	5	11.6	74	6

[a] Derived from mean scaled score.
[b] Based on group norms.

Table 32

ANALYSIS BY VARIABLES
GRADE TEN

	TOTAL READING				TOTAL ENGLISH				TOTAL MATHEMATICS			
	Number	%	Grade Equiv.	Percentile*	Number	%	Grade Equiv.	Percentile*	Number	%	Grade Equiv.	Percentile*
Sex												
Male	19,244	49.8	10.7	52	19,218	49.8	9.6	45	19,327	49.8	11.7	60
Female	19,137	49.5	10.9	54	19,113	49.5	11.2	57	19,246	49.5	11.4	58
Unknown	262	0.7	10.6	52	266	0.7	9.7	46	270	0.7	11.1	56
Primary Language												
English	31,586	81.7	11.2	56	31,530	81.7	10.9	55	31,704	81.6	12.0	62
Spanish	2,031	5.3	7.6	29	2,025	5.2	8.0	31	2,041	5.3	9.3	40
Spanish exclusively	105	0.3	6.6	21	105	0.3	6.9	22	103	0.3	9.0	36
Navajo	426	1.1	6.2	18	429	1.1	7.3	25	428	1.1	8.4	30
Navajo exclusively	44	0.1	8.1	33	44	0.1	8.6	37	44	0.1	9.2	39
Other	378	1.0	7.8	31	375	1.0	8.6	36	381	1.0	11.0	55
Other exclusively	52	0.1	6.6	21	52	0.1	7.4	26	52	0.1	9.9	46
Unknown	4,021	10.4	10.1	49	4,037	10.5	9.6	45	4,090	10.5	10.8	54
Racial/Ethnic												
White	23,797	61.6	12.0	61	23,776	61.6	11.2	57	23,907	61.5	12.7	66
Black	1,222	3.2	8.7	38	1,218	3.2	8.9	39	1,219	3.1	9.2	39
Hispanic	6,846	17.7	8.7	38	6,823	17.7	8.9	39	6,860	17.7	9.7	44
American Indian or Alaskan	2,047	5.3	7.5	28	2,030	5.3	8.2	33	2,049	5.3	9.0	36
Asian or Pacific Islander	623	1.6	10.7	53	623	1.6	11.4	58	630	1.6	PHS	75
Unknown	4,108	10.6	10.2	50	4,127	10.7	9.7	46	4,178	10.8	10.9	54

*Based on individual norms.

GRADE ELEVEN

Strengths and Weaknesses. Eleventh-grade students scored significantly above the national average on the Reading Comprehension, English and Mathematics subtests. All other subtest scores were very close to the national average and none was significantly lower. Compared with 1986 performance, achievement levels in all subtest areas either remained the same or improved by 1 percentile point.

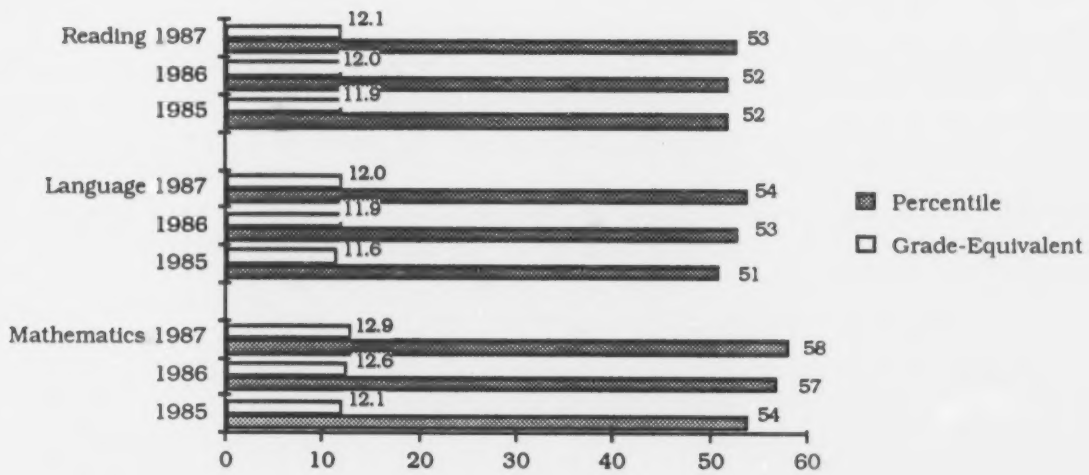
Group Differences. Females achieved significantly higher scores than males on the Spelling and English subtests. The greatest difference in scores for the two sexes is 13 percentile points in Spelling. Males scored 4 percentile points higher than females in Reading Vocabulary and Mathematics.

Of those eleventh-grade students reporting their racial/ethnic backgrounds, 63.0% were White, 3.0% were Black, 16.1% were Hispanic, 5.1% were American Indian/Alaskan Native and 1.7% were Asian/Pacific Islander; 11.2% of the students tested did not report their racial/ethnic backgrounds. The White group scored significantly above the national average on all subtests. The White group scored highest in Mathematics (65th percentile - PHS grade equivalent) and lowest in Spelling (54th percentile - 12.4 grade equivalent). In contrast, the Black group achieved its highest score in Spelling (41st percentile - 10.4 grade equivalent) and its lowest score in Reading Vocabulary (34th percentile - 9.3 grade equivalent). The Hispanic group earned its highest scores in Mathematics (44th percentile - 10.5 grade equivalent) and, like the Black group, its lowest score was in Reading Vocabulary (32nd

percentile - 9.0 grade equivalent). The American Indian/Alaskan Native group obtained its highest score in Spelling (38th percentile - 10.0 grade equivalent) and its lowest score also in Reading Vocabulary (18th percentile - 6.8 grade equivalent). The Asian/Pacific Islander group scored significantly above the national average in all areas except Reading Vocabulary (49th percentile - 11.7 grade equivalent). This group achieved its highest score in Mathematics (76th percentile - PHS grade equivalent).

Achievement Gain. Achievement gain is a comparison of same-grade 1985, 1986 and 1987 test scores. This information is presented for Grade 11 students in Figure 25. In all areas tested, there was an increase of 1 percentile point over 1986 performance; the greatest increase in performance since 1985 was in Mathematics, where eleventh graders gained 4 percentile points. Although none of these differences is statistically significant, the performance of Grade 11 students appears to have gradually improved in all three content areas over the two-year period.

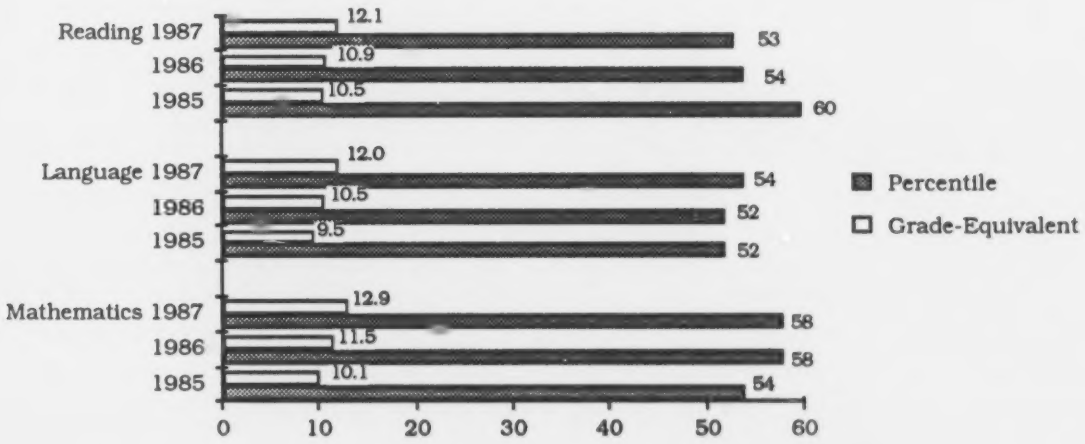
Figure 25. 1987 Arizona Gain* for Grade Eleven



*Pupil Percentile/Grade Equivalent Scores for 1985,1986 and 1987

Achievement Growth. Achievement growth is defined as the differences in percentile ranks for basically the same group of students from one year to the next. For example, two-year achievement growth compares Reading scores for 1985 ninth graders to those earned by 1986 tenth graders to those earned by 1987 eleventh graders. This type of comparative information assumes that if students learn the skills in one grade as well as students in the same grade nationally, then they should maintain their position relative to the national norm group in the next grade, and so on. Achievement growth for Grade 11 is shown in Figure 26. It appears that this group of students, who were tested in 1985 as ninth graders, in 1986 as tenth graders and in 1987 as eleventh graders, either maintained or improved their position relative to the national norming sample in Language and Mathematics over the one- and two-year periods. On the other hand, there appears to be a continuing, though very slight, decline in Reading relative to the nation.

Figure 26. 1987 Arizona Growth* for Grade Eleven (1985 Grade Nine; 1986 Grade Ten)



*Pupil Percentile/Grade Equivalent Scores for 1985, 1986 and 1987

Table 33

COMPARISON OF NATIONAL NORMS AND 1987 ARIZONA AVERAGES
GRADE ELEVEN (INDIVIDUAL NORMS)

Subtest/Subject	NATIONAL NORMS[a]			ARIZONA AVERAGES[a]		
	Grade Equivalent	Percentile Rank[b]	Stanine[b]	Grade Equivalent	Percentile Rank[b]	Stanine[b]
Reading Comprehension	11.5	48	5	12.7	55	5
Reading Vocabulary	12.0	51	5	11.8	49	5
Total Reading	11.6	50	5	12.1	53	5
Spelling	11.7	49	5	11.8	50	5
English	11.2	47	5	12.4	55	5
Total English	11.2	48	5	12.0	54	5
Mathematics	12.0	53	5	12.9	58	5

[a] Derived from mean scaled score.
[b] Based on individual norms.

Table 34

COMPARISON OF NATIONAL NORMS AND 1987 ARIZONA AVERAGES
GRADE ELEVEN (GROUP NORMS)

Subtest/Subject	NATIONAL NORMS[a]			ARIZONA AVERAGES[a]		
	Grade Equivalent	Percentile Rank[b]	Stanine[b]	Grade Equivalent	Percentile Rank[b]	Stanine[b]
Reading Comprehension	11.5	61	6	12.7	76	6
Reading Vocabulary	12.0	59	5	11.8	56	5
Total Reading	11.6	58	5	12.1	66	6
Spelling	11.7	64	6	11.8	66	6
English	11.2	55	5	12.4	71	6
Total English	11.2	60	6	12.0	71	6
Mathematics	12.0	64	6	12.9	76	6

[a] Derived from mean scaled score.
[b] Based on group norms.

Table 35

ANALYSIS OF VARIABLES
GRADE ELEVEN

	TOTAL READING				TOTAL ENGLISH				TOTAL MATHEMATICS			
	Number	%	Grade Equiv.	Percentile *	Number	%	Grade Equiv.	Percentile *	Number	%	Grade Equiv.	Percentile *
Sex												
Male	17,229	49.6	12.0	52	17,217	49.6	11.2	47	17,329	49.7	PHS	61
Female	17,298	49.8	12.3	54	17,278	49.8	12.9	60	17,368	49.8	12.6	57
Unknown	191	0.6	11.2	47	189	0.5	11.5	50	194	0.6	12.2	55
Primary Language												
English	28,507	82.1	12.7	57	28,456	82.0	12.4	57	28,599	82.0	PHS	61
Spanish	1,494	4.3	8.1	25	1,482	4.3	9.1	33	1,500	4.3	9.9	38
Spanish exclusively	74	0.2	7.2	18	73	0.2	7.9	23	75	0.2	9.1	32
Navajo	438	1.3	6.6	14	439	1.3	8.0	24	439	1.3	8.6	26
Navajo exclusively	48	0.1	8.3	26	47	0.1	8.2	26	49	0.1	9.2	32
Other	356	1.0	8.0	23	357	1.0	9.1	33	358	1.0	12.1	54
Other exclusively	47	0.1	8.9	30	46	0.1	8.4	27	47	0.1	11.7	52
Unknown	3,754	10.8	11.6	50	3,784	10.9	11.2	48	3,824	11.0	12.1	54
Racial/Ethnic												
White	21,865	63.0	PHS	62	21,826	62.9	12.9	60	21,942	62.9	PHS	65
Black	1,054	3.0	9.5	35	1,053	3.0	10.1	40	1,059	3.0	9.9	38
Hispanic	5,597	16.1	9.5	35	5,582	16.1	10.4	42	5,620	16.1	10.5	44
American Indian or Alaskan	1,785	5.1	8.0	24	1,769	5.1	9.2	34	1,776	5.1	9.4	33
Asian or Pacific Islander	599	1.7	12.6	56	599	1.7	12.9	60	602	1.7	PHS	76
Unknown	3,818	11.0	11.7	51	3,855	11.1	11.2	48	3,892	11.2	12.2	55

* Based on individual norms.

GRADE TWELVE

Strengths and Weaknesses. Twelfth-grade students scored significantly above the national average on all subtests except Reading Vocabulary and Spelling, which were both very close to the national average. Compared with last year's twelfth-grade group, the 1986 group achieved higher scores on all subtests. The greatest gains (4 percentile points) were noted on the Reading Comprehension and English subtests.

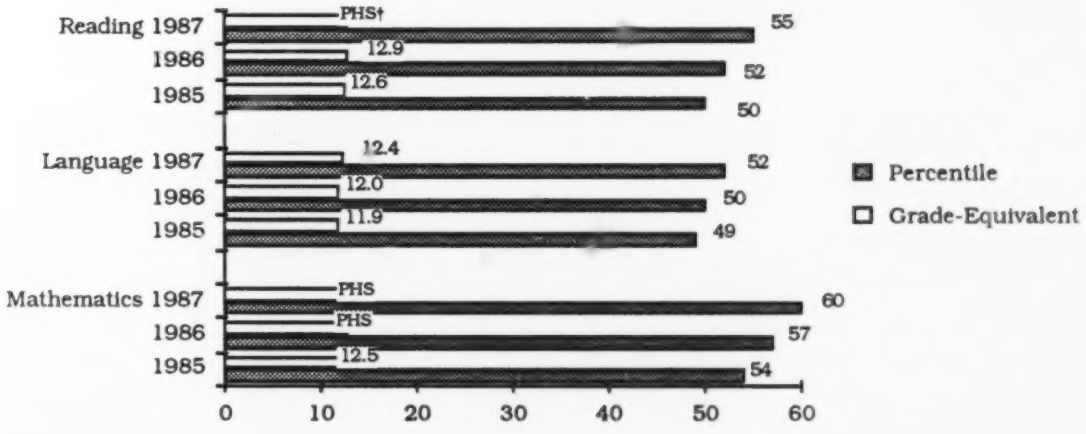
Group Differences. Females achieved significantly higher scores than males on the Reading Comprehension, Spelling and English subtests. The greatest difference in scores for the two sexes is 15 percentile points in Total English. Though the differences were not significant, males earned higher scores on the Reading Vocabulary and Mathematics subtests.

Of those Grade 12 students reporting their racial/ethnic backgrounds, 63.6% were White, 3.0% were Black, 15.9% were Hispanic, 5.8% were American Indian/Alaskan Native and 1.8% were Asian/Pacific Islander; 10.1% of the students tested did not report their racial/ethnic backgrounds. The White group scored significantly above the national average on all subtests, except Spelling. This group's highest score was in Mathematics (67th percentile - PHS grade equivalent), and its lowest score was in Spelling (52nd percentile - PHS grade equivalent). The Black group achieved its highest scores in Mathematics and Spelling (37th percentile - 10.0 and 10.8 grade equivalent, respectively). The lowest score for this group was in Total Reading (34th percentile - 10.1 grade equivalent). The Hispanic group also earned its highest score in Mathematics (45th percentile - 11.0 grade equivalent), but

its lowest score was in Reading Vocabulary (36th percentile - 10.8 grade equivalent). The American Indian/Alaskan Native group achieved its highest score in Spelling (36th percentile - 10.5 grade equivalent) and its lowest score also in Reading Vocabulary (21st percentile - 8.2 grade equivalent). The Asian/Pacific Islander group scored significantly higher than the national average in Mathematics (74th percentile - PHS grade equivalent) and close to the national average in all other areas. Like the Hispanic and American Indian/Alaskan Native groups, its lowest score was in Reading Vocabulary (46th percentile - 12.5 grade equivalent).

Achievement Gain. Achievement gain is a comparison of same-grade 1985, 1986 and 1987 test scores. This information is presented for twelfth graders in Figure 27. In Reading and Mathematics, 1987 twelfth graders improved their performance over their 1986 counterparts by 3 percentile points; and in Language, by 2 percentile points. In both Reading and Mathematics, statistically significant gains of 5 and 6 percentile points, respectively, over 1985 performance were observed. From these data, it appears that Grade 12 students have steadily and consistently improved their performance in all areas tested over the two-year period.

Figure 27. 1987 Arizona Gain* for Grade Twelve



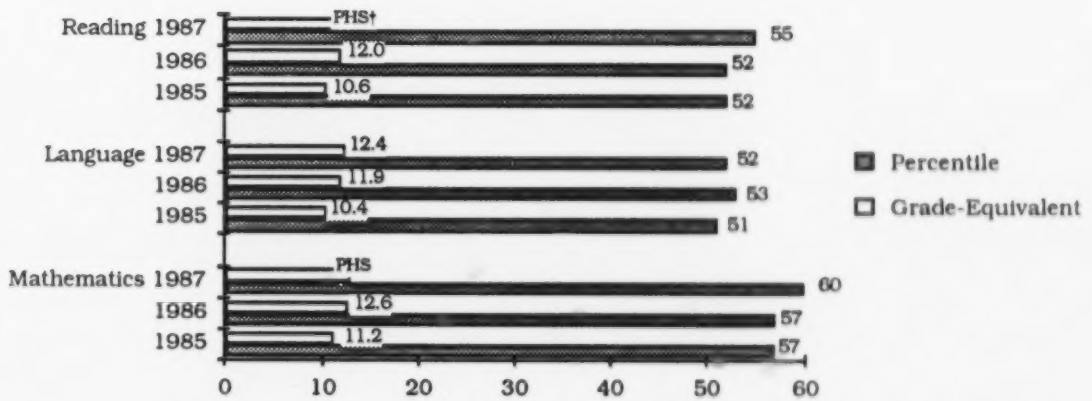
*Pupil Percentile/Grade Equivalent Scores for 1985,1986 and 1987

†PHS=Post High School

Achievement Growth. Achievement growth is defined as the differences in percentile ranks for essentially the same group of students from one year to the next. That is, two-year achievement growth compares Reading scores for 1985 tenth graders to those earned by 1986 eleventh graders to those earned by 1987 twelfth graders. This type of comparison assumes that if students learn the skills in one grade as well as students nationally, then they should maintain their positions relative to the national norm group from grade to

grade. Achievement growth for twelfth-grade students is shown in Figure 28. In both Reading and Mathematics, this group of students showed a 3 percentile point increase over their performance as tenth and eleventh graders. Performance in Language, on the other hand, has remained fairly stable across the three grades. Based upon both the achievement gain and achievement growth information, it appears that Arizona's twelfth-grade students are demonstrating consistent improvement, particularly in the Reading and Mathematics areas.

Figure 28. 1987 Arizona Growth* for Grade Twelve (1985 Grade Ten; 1986 Grade Eleven)



*Pupil Percentile/Grade Equivalent Scores for 1985,1986 and 1987

†PHS=Post High School

Table 36

COMPARISON OF NATIONAL NORMS AND 1987 ARIZONA AVERAGES
GRADE TWELVE (INDIVIDUAL NORMS)

Subtest/Subject	NATIONAL NORMS[a]			ARIZONA AVERAGES[a]		
	Grade Equivalent	Percentile Rank[b]	Stanine[b]	Grade Equivalent	Percentile Rank[b]	Stanine[b]
Reading Comprehension	11.8	45	5	PHS	54	5
Reading Vocabulary	PHS	50	5	PHS	52	5
Total Reading	12.3	48	5	PHS	55	5
Spelling	12.5	48	5	12.6	48	5
English	11.7	46	5	12.9	53	5
Total English	11.7	48	5	12.4	52	5
Mathematics	12.4	53	5	PHS	60	6

[a] Derived from mean scaled score.
[b] Based on individual norms.

Table 37

COMPARISON OF NATIONAL NORMS AND 1987 ARIZONA AVERAGES
GRADE TWELVE (GROUP NORMS)

Subtest/Subject	NATIONAL NORMS[a]			ARIZONA AVERAGES[a]		
	Grade Equivalent	Percentile Rank[b]	Stanine[b]	Grade Equivalent	Percentile Rank[b]	Stanine[b]
Reading Comprehension	11.8	49	5	PHS	74	6
Reading Vocabulary	PHS	49	5	PHS	56	5
Total Reading	12.3	52	5	PHS	68	6
Spelling	12.5	61	6	12.6	63	6
English	11.7	48	5	12.9	67	6
Total English	11.7	54	5	12.4	66	6
Mathematics	12.4	56	5	PHS	74	6

[a] Derived from mean scaled score.
[b] Based on group norms.

Table 38

ANALYSIS BY VARIABLES
GRADE TWELVE

	TOTAL READING				TOTAL ENGLISH				TOTAL MATHEMATICS			
	Number	%	Grade Equiv.	Percentile *	Number	%	Grade Equiv.	Percentile *	Number	%	Grade Equiv.	Percentile *
Sex												
Male	14,611	49.0	PHS	54	14,586	49.0	11.5	45	14,686	49.0	PHS	62
Female	15,018	50.4	PHS	56	15,008	50.4	PHS	60	15,108	50.4	PHS	59
Unknown	196	0.7	PHS	63	192	0.6	PHS	59	199	0.7	PHS	67
Primary Language												
English	24,523	82.2	PHS	59	24,460	82.1	12.9	55	24,626	82.1	PHS	62
Spanish	1,338	4.5	9.4	29	1,331	4.5	9.7	33	1,345	4.5	10.4	40
Spanish exclusively	54	0.2	8.1	21	54	0.2	7.9	20	54	0.2	9.9	37
Navajo	452	1.5	7.3	16	452	1.5	8.4	23	449	1.5	9.3	30
Navajo exclusively	66	0.2	9.0	26	67	0.2	9.7	32	68	0.2	10.8	44
Other	414	1.4	9.5	29	407	1.4	10.1	36	412	1.4	PHS	62
Other exclusively	60	0.2	9.7	31	59	0.2	9.9	34	59	0.2	PHS	72
Unknown	2,918	9.8	12.7	51	2,956	9.9	11.7	48	2,980	9.9	12.5	54
Racial/Ethnic												
White	18,957	63.6	PHS	64	18,911	63.5	PHS	59	19,043	63.5	PHS	67
Black	905	3.0	10.1	34	906	3.0	10.2	36	909	3.0	10.0	37
Hispanic	4,744	15.9	10.7	38	4,725	15.9	10.9	41	4,764	15.9	11.0	45
American Indian or Alaskan	1,719	5.8	8.7	24	1,708	5.7	9.5	31	1,712	5.7	9.7	34
Asian or Pacific Islander	523	1.8	12.4	49	524	1.8	12.4	52	527	1.8	PHS	74
Unknown	2,977	10.0	PHS	53	3,012	10.1	11.9	49	3,038	10.1	12.6	55

*Based on individual norms.

GENERAL SUMMARY OF FINDINGS

Arizona pupils scored in the average range in all areas tested on all tests taken (ITBS, SAT-7 and TASK) in all twelve grades. This is evidence of the fact that Arizona pupils performed at about the same level of achievement as average pupils in grades 1 through 12 across the nation. Reading scores for Arizona pupils in grades 2, 4, 5 and 9-12 were above the national average. Reading scores for Arizona pupils in grades 1, 3, 7 and 8 were below the national averages; however, these reading scores were well within the average range.

Performance in language was at or above the national average in all grades. As in years past, Arizona pupils demonstrated definite strength in this area. In grades 1-8, the language area includes Capitalization and Punctuation subtests. Performance on these subtests was exceptional. Capitalization and Punctuation subtests are not included at the high school level.

Mathematics performance for Arizona pupils was at or above the national average in all grades except in 3, 4 and 7. Averages for these grades were only slightly below the national average.

The above summaries are true for the overall statewide population of pupils. Patterns of achievement for subgroups of pupils based on sex and racial/ethnic background follow.

Sex. Females generally attained slightly higher scores than males on reading and language across all twelve grades. The differences were most striking in the language arts and tended to increase from lower to higher grades. Male and female performance was most similar in mathematics.

Racial/Ethnic. The racial/ethnic classifications are White, Black, Hispanic, American Indian/Alaskan Native and Asian/Pacific Islander. The White group comprised approximately 62% of the total pupils tested; the Black group accounted for approximately 4% of the total; the Hispanic group contained approximately 21% of the total; the American Indian/Alaskan Native group accounted for approximately 6% of the total, and the Asian/Pacific Islander group comprised approximately 1.5% of all Arizona pupils tested.

The Asian/Pacific Islander group generally outperformed the White group. Both groups performed well above the national average. The Asian/Pacific Islander group scored higher than the White group on mathematics in all grades except grade 1. The White group outperformed the Asian/Pacific Islander group on reading in all grades except grades 1, 3 and 4. The Asian/Pacific Islander group outperformed the White group on language in all grades except grades 11 and 12.

The Hispanic group generally outperformed the Black group in reading, language, and mathematics at similar levels across grades. The Black group scored higher than the Hispanic group in reading at grades 2, 4, 5 and 9 and in language at grade 9. Scores for both of these groups were generally below the national averages.

The American Indian/Alaskan Native group obtained the lowest scores on reading, language and mathematics of all the racial/ethnic groups across all grades. Scores for this group were generally below to well below the national averages.

In summary, the data presented in this report show:

- Arizona pupils scored in the average range in all areas at all grades based on stanines.

- Arizona grade equivalents were at or above the national average for pupils in grades 2, 4-6 and 9-12 on reading. Grade equivalents for reading in grades 1, 3, 7 and 8 were below the national average.

- Arizona grade equivalents were at or above the national averages on language for pupils in all grades.

- Arizona grade equivalents were at or above the national average on mathematics for pupils in grades 1, 2, 5, 6, 8 and 9-12. They were slightly below the national average in grades 3, 4 and 7.

- Grade equivalents obtained on the Capitalization and Punctuation subtests showed exceptional strengths for pupils in grades 1-8. (These subtests are not included at the high school level.)

- Among the racial/ethnic groups, the White and Asian/Pacific Islander groups scored well above the national averages. The Hispanic group outperformed the Black group, but both groups scored somewhat below the national averages. The American Indian/Alaskan Native group received the lowest scores of all the racial/ethnic groups.

- The 1987 third-grade pupils (1986 second-grade pupils) achieved slightly below average growth in reading and mathematics between 1986 and 1987.

- The 1987 tenth-grade pupils (1986 ninth-grade pupils) and the 1987 eleventh-grade pupils (1986 tenth-grade pupils) achieved slightly below average growth in reading between 1986 and 1987. However, keep in mind that the grade 9, 10 and 11 reading scores were well above the national averages for both years.

- Two grade groups achieved significant growth in reading, language and mathematics between 1986 and 1987:

    1) 1987 Grade 5 pupils (1986 Grade 4 pupils)
    2) 1987 Grade 8 pupils (1986 Grade 7 pupils)

- Three grade groups achieved significant growth in language between 1986 and 1987:

    1) 1987 Grade 2 pupils (1986 Grade 1 pupils)
    2) 1987 Grade 6 pupils (1986 Grade 5 pupils)
    3) 1987 Grade 11 pupils (1986 Grade 10 pupils)

- The 1987 tenth-grade pupils (1986 ninth-grade pupils) achieved significant growth in mathematics between 1986 and 1987.

- Compared to 1986, gains in performance occurred at each grade level for all achievement areas except for reading in grade 3, and reading and language in grade 9. Reading gains were especially strong in grades 4-8. Gains in language were notable for grades 3-8. Mathematics gains were strongest in grades 4, 6 and 7.

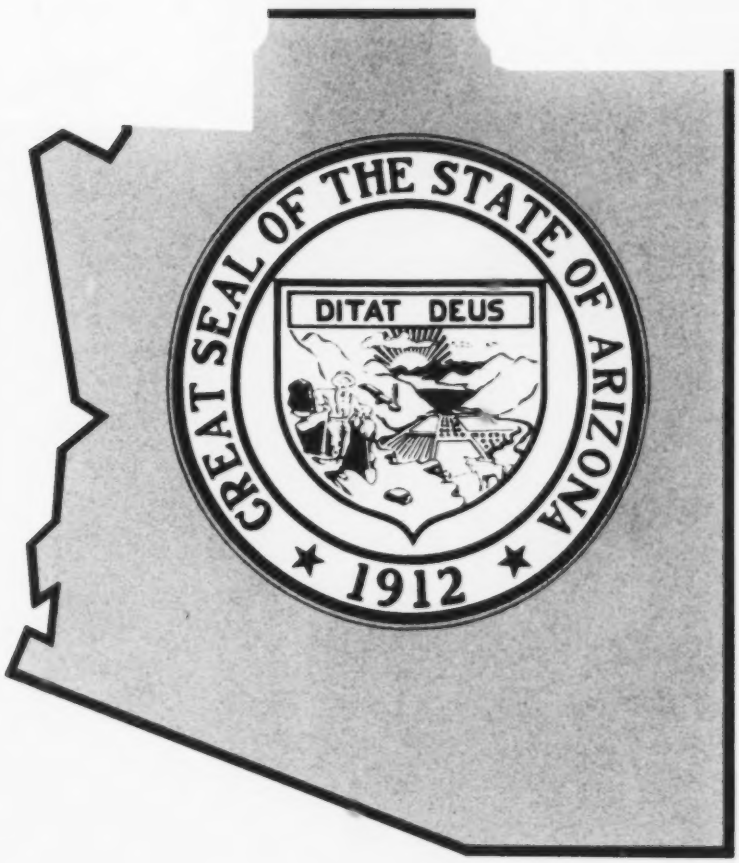
As pointed out earlier in this report, the results for grades 1-8 are specific to performance on the ITBS; results for grade 9 are specific to performance on SAT-7; and results for grades 10-12 are specific to performance on TASK. Therefore, use caution when making comparisons between grades.

Appendix to the Statewide Report

For

Arizona Pupil Achievement Testing

June 1987



Arizona Department of Education

C. Diane Bishop, Superintendent

1535 West Jefferson
Phoenix, Arizona 85007

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Appendix to the Statewide Report

For

Arizona Pupil Achievement Testing

June 1987

Arizona Department of Education

C. Diane Bishop, Superintendent

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Phoenix, Arizona 85007

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* Stanford grade equivalents range from K.O (beginning kindergarten) to 12.9. Scores below K.O are designated as **PK** (pre-kindergarten); scores above 12.9 are designated as **PHS** (post high school). The standardization sample included students in kindergarten through grade 12 as well as students in junior and community colleges.

The subjects of reading, language and mathematics for the **1987 Arizona Pupil Achievement Testing Program** are composed of the following subtests:

Grade/s	Subject	Subtest/s
Grades 1 - 8	Reading	Reading Comprehension (R)*
	Language	Spelling (L-1) Capitalization (L-2) Punctuation (L-3) Usage and Expression (L-4)
	Mathematics	Mathematics Concepts (M-1) Mathematics Problem Solving (M-2) Mathematics Computation (M-3)
Grade 9	Reading	Reading Comprehension
	Language	Spelling Language
	Mathematics	Concepts of Numbers Mathematics Computaion Mathematics Applications
Grades 10 - 12	Reading	Reading Comprehension Reading Vocabulary
	Language	Spelling English
	Mathematics	Mathematics

* The Reading tests at Grades 1 and 2 are composed of Pictures (R-1), Sentences (R-2) and Stories (R-3), but only one Reading score is given on the reports. Separate scores are given for all other subtests at all other levels (e.g., L-1, L-2, M-3, etc.).

Appendix A

1987 Grade Equivalents for Reading on the

- Iowa Tests of Basic Skills (1 - 8)
- Stanford Achievement Test (9)
- Stanford Test of Academic Skills (10 - 12)

ARIZONA PUPIL ACHIEVEMENT TESTING

READING

GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
APACHE	15	24	33	42	53	59	67	74	7.2	7.8	8.6	9.2
ALPINE ELEM DISTRICT	19	39	43	49	71	70	85	99				
ALPINE SCHOOL	19	39	43	49	71	70	85	99				
CHINLE UNIFIED DISTR	13	19	29	38	47	53	59	67	6.2	6.7	7.7	7.5
CHINLE ELEMENTARY SC		18		39	46	52						
CHINLE HIGH SCHOOL									6.2	6.7	7.7	7.5
CHINLE JUNIOR HIGH S							59	68				
CHINLE PRIMARY SCHOO	13	18	28									
MANY FARMS SCHOOL	11	19	28	36	46	56						
TSAILE SCHOOL	12	25	36	38	48	52	60	61				
CONCHO ELEM DISTRICT	18	26	39	54	54	66	78	93				
CONCHO SCHOOL	18	26	39	54	54	66	78	93				
GANADO UNIFIED DISTR	12	20	27	37	49	56	60	70	6.6	6.8	7.2	7.7
GANADO HIGH SCHOOL									6.6	6.8	7.2	7.7
GANADO INTERMEDIATE				37	49	56						
GANADO JUNIOR HIGH S							60	70				
GANADO PRIMARY SCHOO	12	20	27									
MCNARY ELEM DISTRICT	10	17	29		49	63	41	65				
MCNARY SCHOOL	10	17	29		49	63	41	65				
PUERCO UNIFIED DISTR	12	18	27	39	50	53	62	67	6.4	6.8	7.6	7.9
SANDERS ELEMENTARY S	12	18	27	39	50							
SANDERS JUNIOR HIGH						53	62	67				
VALLEY HIGH SCHOOL									6.4	6.8	7.6	7.9
RED MESA UNIFIED DIS	14	17	24	32	43	47	57	59	4.5	5.3	6.0	6.1
RED MESA HIGH SCHOOL									4.5	5.3	6.0	6.1
RED MESA SCHOOL	15	17	25	35	44	49	58	60				
ROUND ROCK SCHOOL	12	18	22	25	39	41	53	58				
ROUND VALLEY UNIFIED	22	34	40	53	63	73	82	92	11.7	12.3	PHS	PHS
ROUND VALLEY HIGH SC									11.7	12.3	PHS	PHS
ROUND VALLEY MIDDLE				53	63	73	82	92				
ROUND VALLEY PRIMARY	22	34	40									
ST JOHNS UNIFIED DIS	21	35	38	48	63	70	82	92	10.2	11.1	9.8	PHS
PIONEER SCHOOL	21	35	38	48								

ARIZONA PUPIL ACHIEVEMENT TESTING

READING

GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
ST JOHNS HIGH SCHOOL									10.2	11.1	9.8	PHS
ST JOHNS JR HIGH SCH					63	70	82	92				
WINDOW ROCK UNIFIED	14	24	36	42	51	59	67	74	7.9	7.9	8.7	9.2
FT DEFIANCE SCHOOL	13	23	34	42	51							
TSO HO TSO MIDDLE SC						59	67	74				
WINDOW ROCK HIGH SCH									7.9	7.9	8.7	9.2
WINDOW ROCK SCHOOL	14	26	38	41	50							

ARIZONA PUPIL ACHIEVEMENT TESTING

READING

GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
COCHISE	16	29	37	49	60	68	78	87	10.6	11.1	12.3	PHS
APACHE ELEM DISTRICT		38		53		93						
APACHE SCHOOL		38		53		93						
ASH CREEK ELEM DISTR	15	28	31	46	63	74	96	95				
ASH CREEK SCHOOL	15	28	31	46	63	74	96	95				
BENSON ELEM DISTRICT	15	32	39	50	61	68	78	86				
BENSON SCHOOL	15	32	39	50	61	68	78	86				
BENSON UNION HIGH SC									10.0	11.9	12.3	PHS
BENSON UNION HIGH SC									10.0	11.9	12.3	PHS
BISBEE UNIFIED DISTR	14	31	36	47	59	65	82	89	9.5	9.7	11.0	12.6
BISBEE HIGH SCHOOL	14	31	36						9.5	9.7	11.0	12.6
LOWELL SCHOOL				47	59	65	82	89				
BOWIE UNIFIED DISTRI	18	24	28	44	51	61	67	82	8.9	9.3	PHS	PHS
BOWIE HIGH SCHOOL									8.9	9.3	PHS	PHS
BOWIE SCHOOL	18	24	28	44	51	61	67	82				
COCHISE ELEM DISTRIC	13	26	37	54	65	76	85					
COCHISE SCHOOL	13	26	37	54	65	76	85					
DOUBLE ADOBE ELEM DI	12	27	39	46	70	82						
DOUBLE ADOBE SCHOOL	12	27	39	46	70	82						
DOUGLAS UNIFIED DIST	15	24	33	44	54	60	69	80	9.2	9.7	9.9	11.9
A AVENUE SCHOOL	11	22	33	47	52							
CLAWSON SCHOOL	13	22	35	44	55							
DOUGLAS HIGH SCHOOL									9.2	9.7	9.9	11.9
DOUGLAS JUNIOR HIGH						54	63	75				
FARAS SCHOOL	15	25	32	44	52							
FIFTEENTH STREET SCH	13	22	32	41	53							
JOE CARLSON SCHOOL	16	24	34	48	58							
PAUL H. HUBER JR HIG						65	75	85				
SARAH MARLEY SCHOOL	14	18	26	35	45							
STEVENSON SCHOOL	18	30	38	47	62							
ELFRIDA ELEM DISTRIC	23	29	37	49	49	67	86	74				
ELFRIDA SCHOOL	23	29	37	49	49	67	86	74				

ARIZONA PUPIL ACHIEVEMENT TESTING

08545.002

READING

PAGE 4A

GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
FT HUACHUCA ACCOM SC	16	32	39	48	60	68	81	92				
COLONEL JOHNSTON SCH	16	32	39									
COLONEL SMITH MIDDLE						68	81	92				
GENERAL MYER SCHOOL				48	60							
MCNEAL ELEM DISTRICT	18	35	34	42	52	72	96	101				
MCNEAL SCHOOL	18	35	34	42	52	72	96	101				
NACO ELEM DISTRICT	13	24	31	44	53	53	60	76				
NACO SCHOOL	13	24	31	44	53	53	60	76				
PALOMINAS ELEM DISTR	19	32	36	52	61	72	85	93				
PALOMINAS SCHOOL	19	32	36	52	61	72	85	93				
PEARCE ELEM DISTRICT	25	34	40	55	62	64	74	93				
PEARCE SCHOOL	25	34	40	55	62	64	74	93				
POMERENE ELEM DISTRI	19	29	37	46	67	70	83	94				
POMERENE SCHOOL	19	29	37	46	67	70	83	94				
SAN SIMON UNIFIED DI	17	29	42	48	56	69	87	88	12.4	11.4	PHS	12.4
SAN SIMON HIGH SCHOO									12.4	11.4	PHS	12.4
SAN SIMON SCHOOL	17	29	42	48	56	69	87	88				
SIERRA VISTA UNIFIED	17	30	39	52	65	75	82	89	11.7	12.1	PHS	PHS
BELLA VISTA SCHOOL	18	28	41	52	65	76						
BUENA HIGH SCHOOL	16	27	36	46	61	67			11.7	12.1	PHS	PHS
PUEBLO DEL SOL SCHOO	17	32	39	52	68	76						
SIERRA VISTA MIDDLE							82	89				
TOWN AND COUNTRY SCH	18	29	41	52	63	77						
VILLAGE MEADOWS SCHO	19	31	40	54	67	77						
ST DAVID UNIFIED DIS	15	38	38	56	63	72	78	90	10.2	12.1	PHS	PHS
ST DAVID HIGH SCHOOL									10.2	12.1	PHS	PHS
ST DAVID SCHOOL	15	38	38	56	63	72	78	90				
TOMBSTONE UNIFIED DI	15	29	39	51	61	67	76	88	10.7	10.4	11.2	PHS
HUACHUCA CITY SCHOOL	16	29	37	50	59	68	74	88				
TOMBSTONE HIGH SCHOO									10.7	10.4	11.2	PHS
WALTER J MEYER SCHOO	13	30	44	55	70	63	82	91				

ARIZONA PUPIL ACHIEVEMENT TESTING

READING

GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
VALLEY UNION HIGH SC									10.4	11.0	11.2	PHS
VALLEY UNION HIGH SC									10.4	11.0	11.2	PHS
WILLCOX UNIFIED DIST	16	33	38	49	60	70	80	88	11.7	11.4	11.5	12.4
WILLCOX ELEMENTARY S	16	33	38	49								
WILLCOX HIGH SCHOOL									11.7	11.4	11.5	12.4
WILLCOX MIDDLE SCHOO					60	70	80	88				

ARIZONA PUPIL ACHIEVEMENT TESTING

READING

GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
COCONINO	19	31	38	49	60	69	78	87	9.5	10.1	10.9	12.6
CHEVELON BUTTE ELEM		32		40		56						
CHEVELON BUTTE SCHOO		32		40		56						
FLAGSTAFF UNIFIED DI	20	33	39	51	62	71	81	89	10.7	11.4	12.4	PHS
CHARLES W SECHRIST S	24	38	45	57	68	77						
COCONINO HIGH SCHOOL										11.1	12.1	PHS
EAST FLAGSTAFF JUNIO							80	87	10.5			
EVA MARSHALL SCHOOL	19	35	42	55	66	75						
FLAGSTAFF HIGH SCHOO										11.6	12.9	PHS
FLAGSTAFF JUNIOR HIG							84	92	11.1			
JOHN Q THOMAS SCHOOL	20	33	40	50	61	71						
LEUPP SCHOOL	23	28	32	41	53	58	63	82				
LURA KINSEY SCHOOL	20	34	37	47	59	72						
NEIL V CHRISTENSEN S	20	35	39	53	63	73						
SEDONA SCHOOL	20	41	43	50	66	79	85	95				
SOUTH BEAVER SCHOOL	17	31	37	52	64	69						
THOMAS R WEITZEL SCH	19	31	39	48	59	69						
W F KILLIP SCHOOL	16	28	35	49	62	69						
FREDONIA/MOCCASIN UN	18	31	33	47	63	69	78	87	10.5	9.9	9.3	PHS
FREDONIA MOCCASIN HI									10.5	9.9	9.3	PHS
FREDONIA MOCCASIN SC	20	34	34	47	63	69	78	87				
MOCCASIN SCHOOL	12	21	30									
GRAND CANYON UNIFIED	21	28	38	49	67	73	91	88	PHS	PHS	11.1	PHS
GRAND CANYON HIGH SC									PHS	PHS	11.1	PHS
GRAND CANYON SCHOOL	21	28	38	49	67	73	91	88				
MAINE CONSOLIDATED E	22	38	46	53	66	73						
MAINE CONSOLIDATED S	22	38	46	53	66	73						
PAGE UNIFIED DISTRIC	17	30	38	47	61	68	79	89	9.4	9.4	10.4	11.6
DESERT VIEW ELEMENTA	16	31	38	47	61							
LAKE VIEW ELEMENTARY	19	29	38	48	61							
PAGE HIGH SCHOOL									9.4	9.4	10.4	11.6
PAGE MIDDLE SCHOOL						68	79	89				
TUBA CITY UNIFIED DI	17	26	34	43	51	59	68	76	6.7	7.2	7.7	9.5
CAMERON PRIMARY	19	22	42									
EAGLE'S NEST MID				43	51	59						

ARIZONA PUPIL ACHIEVEMENT TESTING

READING

GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
GAP/BODEWAY PRIMARY	K8	14	18									
TUBA CITY HIGH SCHOO									6.7	7.2	7.7	9.5
TUBA CITY JUNIOR HIG							68	76				
TUBA CITY PRIMARY SC	17	27	34									
WILLIAMS UNIFIED DIS	16	28	38	52	59	73	78	91	10.5	11.5	12.4	12.1
WILLIAMS ELEMENTARY	16	28	38	52	59	73	78	91				
WILLIAMS HIGH SCHOOL									10.5	11.5	12.4	12.1

ARIZONA PUPIL ACHIEVEMENT TESTING

READING

GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
GILA	17	29	36	47	58	65	74	82	8.8	9.6	10.6	11.1
GLOBE UNIFIED DISTRI	17	30	38	50	61	67	77	85	8.3	9.3	9.7	9.8
COPPER RIM ELEM	17	30	38	50								
EAST GLOBE SCHOOL					61	67						
GLOBE HIGH SCHOOL									8.3	9.3	9.7	9.8
GLOBE JR. HIGH SCHOO							77	85				
HAYDEN WINKELMAN UNI	16	32	36	39	55	60	67	76	6.6	8.9	9.6	10.0
HAYDEN HIGH SCHOOL									6.6	8.9	9.6	10.0
LEONOR HAMBLY JUNIOR							67	76				
WINKELMAN INTERMED				39	55	60						
WINKELMAN PRIMARY	16	32	36									
MIAMI UNIFIED DISTRI	18	31	36	48	60	66	75	86	8.8	9.6	10.5	12.6
BULLION PLAZA SCHOOL					60	66						
CENTRAL HEIGHTS SCHO	17	35	41	45								
INSPIRATION ADDITION	20	28	31	44								
LAS LOMAS SCHOOL	17	31	35	55								
LEE KORNEGAY JHS							75	86				
MIAMI HIGH SCHOOL									8.8	9.6	10.5	12.6
PAYSON UNIFIED DISTR	18	33	37	49	62	70	79	86	10.1	10.1	12.6	12.3
JULIA RANDALL SCHOOL	18	33	37	49	62	70						
PAYSON HIGH SCHOOL							79	86	10.1	10.1	12.6	12.3
PINE ELEM DISTRICT	22	32	40	52	62	72	91	83				
PINE SCHOOL	22	32	40	52	62	72	91	83				
RICE ELEM DISTRICT	14	20	29	38	45	54	57	68				
RICE SCHOOL	14	20	29	38	45	54	57	68				
TONTO BASIN ELEM DIS	22	28	32	50	59	49	60	87				
TONTO BASIN SCHOOL	22	28	32	50	59	49	60	87				
YOUNG ELEM DISTRICT	28	33	44	56	70	71	79	95	9.1	9.7	12.6	8.9
YOUNG ELEMENTARY SCH	28	33	44	56	70	71	79	95				
YOUNG TEACHING HIGH									9.1	9.7	12.6	8.9

ARIZONA PUPIL ACHIEVEMENT TESTING

READING

GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
GRAHAM	19	29	38	48	61	70	76	86	9.2	9.7	10.7	12.4
BONITA ELEM DISTRICT	19	36	34	50	59	73	76	93				
BONITA SCHOOL	19	36	34	50	59	73	76	93				
FT THOMAS UNIFIED DI	16	20	28	38	47	54	68	67	5.5	6.7	7.1	6.5
FT THOMAS ELEMENTARY	16	20	28	38	47	54						
FT THOMAS HIGH SCHOO							68	67	5.5	6.7	7.1	6.5
PIMA UNIFIED DISTRIC	22	29	35	49	61	73	76	87	10.9	9.8	10.5	12.7
PIMA ELEMENTARY SCHO	22	29	35	49	61	73	76	87				
PIMA HIGH SCHOOL									10.9	9.8	10.5	12.7
SAFFORD UNIFIED DIST	17	29	39	48	60	69	78	88	9.2	9.9	11.5	PHS
DOROTHY STINSON SCHO	17	29										
LAFE NELSON SCHOOL			39	48	60	69			9.2	9.9	11.5	PHS
SAFFORD JUNIOR HIGH							78	88				
SOLOMONVILLE ELEM DI	19	26	36	48	60	62	75	74				
SOLOMONVILLE SCHOOL	19	26	36	48	60	62	75	74				
THATCHER UNIFIED DIS	25	32	42	51	64	76	76	91	9.9	10.7	11.6	PHS
JACK DALEY PRIMARY S	25	32	42									
THATCHER ELEMENTARY				51	64	76						
THATCHER HIGH SCHOOL										10.7	11.6	PHS
THATCHER MIDDLE SCHO							76	91	9.9			

ARIZONA PUPIL ACHIEVEMENT TESTING

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GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
GREENLEE	18	29	37	48	57	66	76	84	8.9	9.7	10.4	12.3
BLUE ELEM DISTRICT			39	40								
BLUE SCHOOL			39	40								
CLIFTON UNIFIED DIST	19	26	33	46	55	65	74	75	7.1	9.4	10.5	PHS
CLIFTON HIGH SCHOOL									7.1	9.4	10.5	PHS
LAUGHARN SCHOOL	19	26	33	46	55	65	74	75				
DUNCAN UNIFIED DISTR	18	28	38	50	59	66	78	86	10.0	9.3	10.5	12.4
DUNCAN HIGH SCHOOL									10.0	9.3	10.5	12.4
DUNCAN SCHOOL	18	28	38	50	59	66	78	86				
EAGLE ELEM DISTRICT	27		38									
EAGLE ELEM SCHOOL	27		38									
MORENCI UNIFIED DIST	16	30	39	49	56	66	75	86	9.3	10.1	10.2	11.6
FAIRBANKS SCHOOL			39	49	56	66	75	86				
MODOC SCHOOL	16	30										
MORENCI HIGH SCHOOL									9.3	10.1	10.2	11.6

ARIZONA PUPIL ACHIEVEMENT TESTING

READING

GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
LA PAZ	15	25	35	43	52	59	74	83	8.8	9.2	11.1	11.7
BICENTENNIAL U H S D									8.2	8.8	11.6	9.2
SALOME HIGH SCHOOL									8.2	8.8	11.6	9.2
BOUSE ELEM DISTRICT	12	38	42	50	73	92	79	108				
BOUSE SCHOOL	12	38	42	50	73	92	79	108				
PARKER UNIFIED DISTR	16	25	35	43	48	57	70	76	9.0	9.3	11.0	12.4
BLAKE SCHOOL	15	27	36									
LE PERA SCHOOL	16	21	32	43	48	57	70	76				
PARKER HIGH SCHOOL									9.0	9.3	11.0	12.4
QUARTZSITE ELEM DIST	11	22	32	42	54	55	73	85				
EHRENBERG SCHOOL	11	22	32	42	54	55	73	85				
SALOME CONSOLIDATED	20	27	35	41	53	62	79	83				
SALOME SCHOOL	20	27	35	41	53	62	79	83				
WENDEN ELEM DISTRICT	23	30	38	46	64	70	84	85				
WENDEN SCHOOL	23	30	38	46	64	70	84	85				

ARIZONA PUPIL ACHIEVEMENT TESTING

READING

GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
MARICOPA	19	31	39	50	61	69	79	88	11.0	11.2	12.7	PHS
AGUA FRIA UNION HS D									11.1	10.2	12.9	PHS
AGUA FRIA UNION HIGH									11.1	10.2	12.9	PHS
AGUILA ELEM DISTRICT	17	26		44	47	56	71	108				
AGUILA SCHOOL	17	26		44	47	56	71	108				
ALHAMBRA ELEM DISTRI	20	33	38	49	59	67	77	85				
ALHAMBRA ELEMENTARY	27	42	44	56	69	77	89	96				
ANDALUCIA SCHOOL	18	32	42	48	56	61	71	83				
BARCELONA SCHOOL	27	39	40	52	62	71	80	85				
CATALINA SCHOOL	27	33	40	49	63	68	86	91				
CORDOVA SCHOOL	17	28	33	45	58	61	72	77				
GRANADA SCHOOL	16	30	37	50	58	64	72	83				
R E SIMPSON SCHOOL				46	56	67	76	82				
SEVILLA SCHOOL	22	32	38	50	58	73	80	89				
WESTWOOD TRADITIONAL	19	31	34									
ARLINGTON ELEM DISTR	20	28	38	51	58	63	75	89				
ARLINGTON SCHOOL	18	32	37	53	58	71	76	91				
HARQUAHALA VALLEY SC	21	26	39	49	58	53	74	86				
AVONDALE ELEM DISTRI	15	27	35	45	56	65	71	80				
AVONDALE JUNIOR HIGH							71	80				
AVONDALE SCHOOL	15	27										
LATTIE COOR SCHOOL					56	65						
PIONEER SCHOOL			35	45								
BALSZ ELEM DISTRICT	16	27	36	46	56	66	75	83				
BALSZ SCHOOL	16	27	37	47	57	65	73	77				
CROCKETT SCHOOL	12	25	35	39	52	64	71	82				
GRIFFITH SCHOOL	16	34	38	50	59	67	81	86				
ORANGEDALE SCHOOL	18	24	35	48	54	67	75	85				
BUCKEYE ELEM DISTRIC	15	28	37	45	56	65	74	82				
BUCKEYE SCHOOL	15	28	37	45	56	65	74	82				
BUCKEYE UNION HIGH S									10.0	9.3	10.4	11.2
BUCKEYE UNION HIGH S									10.0	9.3	10.4	11.2

ARIZONA PUPIL ACHIEVEMENT TESTING

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GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
CARTWRIGHT ELEM DIST	19	31	37	48	58	66	76	83				
BYRON A BARRY SCHOOL	18	31	35	47	60	65						
CARTWRIGHT SCHOOL	16	28	37	46	54	68						
CHARLES W HARRIS SCH	22	33	39	48	57	66						
DESERT SANDS JR HIGH							78	84				
ESTRELLA JUNIOR HIGH							78	84				
FRANK BORMAN JR HIGH							72	80				
GLENN L DOWNS SCHOOL	20	28	36	42	54	59						
HEATHERBRAE SCHOOL	20	31	39	49	57	65						
HOLIDAY PARK	18	29	37	49	63	69						
JOHN F LONG SCHOOL	20	31	37	51	54	62						
JUSTINE SPITALNY SCH	19	29	38	44	58	70						
PALM LANE SCHOOL	17	33	38	44	58	68						
PERALATA SCHOOL	20	30	37	48	58	67						
STARLIGHT PARK SCHOO	19	30	36	48	56	62						
SUNSET SCHOOL	15	29	35	48	57	66						
TOMAHAWK SCHOOL	22	33	40	52	62	69						
CAVE CREEK UNIFIED D	19	34	43	56	64	73	81	92	10.2	12.0	PHS	PHS
BLACK MOUNTAIN SCHOO			43	56	64	73						
CACTUS SHADOWS SCHOO							81	92	10.2	12.0	PHS	PHS
CAVE CREEK SCHOOL	19	34										
CHANDLER UNIFIED DIS	21	32	40	50	61	71	77	86	10.2	10.4	12.4	PHS
ANDERSON	23	38	44	57	66	75						
CHANDLER HIGH SCHOOL										10.4	12.4	PHS
CHANDLER JUNIOR HIGH							76	85	10.0			
DENVER SCHOOL	17	25	34	41	49	55						
ERIE SCHOOL	23	33	39	52	63	71						
FRYE SCHOOL	18	27	40	45	55	67						
GALVESTON SCHOOL	20	29	40	46	56	65						
HARTFORD SCHOOL	22	34	42	49	66	73						
HUMPHREY ELEMENTARY	23	33	37	54	62	75						
KNOX SCHOOL	21	34	42	51	60	75						
WEINBERG SCHOOL	26	34	37	48	64	68						
WILLIS JUNIOR HIGH							79	87	10.5			
CREIGHTON ELEM DISTR	16	31	37	47	59	66	77	84				
CREIGHTON SCHOOL							77	84				
LARRY C. KENNEDY SCH	17	33	35	49	60	65						
LOMA LINDA SCHOOL	20	30	39	44	58	66						
MONTE VISTA SCHOOL	16	31	36	48	59	65						

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
PAPAGO SCHOOL	12	30	37	44	58	69						
SQUAW PEAK SCHOOL	22	33	40	51	65	74						
WILLIAM T MACHAN SCH	12	28	38	47	54	62						
DEER VALLEY UNIFIED	19	33	42	51	62	70	81	91	11.1	11.2	12.6	PHS
BARRY GOLDWATER H S									10.7	10.9		
BELLAIR SCHOOL	19	34	42	50	61	71						
CONSTITUTION SCHOOL	20	32	42	51	60	65						
DEER VALLEY HIGH SCH									11.7	11.6	12.6	PHS
DEER VALLEY JUNIOR H							80	90				
DESERT SKY JUNIOR HI							81	92				
DESERT WINDS SCHOOL	20	34	42	53	62	66						
GREENBRIER ELEMENTAR	21	33	41	48	65	71						
MIRAGE SCHOOL	20	34	41	51	63	74						
MOUNTAIN SHADOWS	19	34	41	53	60	72						
NEW RIVER SCHOOL	17	33	42	51	61	68						
PARK MEADOWS SCHOOL	17	32	40	49	63	71						
SUNRISE SCHOOL	18	34	42	51	63	72						
VILLAGE MEADOWS SCHO	19	30	43	52	60	70						
DYSART UNIFIED DISTR	16	25	35	44	55	59	71	74	8.2	8.8	9.1	10.4
DYSART HIGH SCHOOL									8.2	8.8	9.1	10.4
DYSART JR. HIGH SCHO							71	74				
EL MIRAGE SCHOOL	12	22	32	41	48	55						
LUKE SCHOOL	20	28	40	51	64	69						
SURPRISE SCHOOL	14	23	35	42	53	55						
FOUNTAIN HILLS ELEM	19	33	39	50	59	76	90	94				
FOUR PEAKS ELEMENTAR	20	36	38	48	59	76	90	94				
MCDOWELL MTN ELEMENT	19	32	40	52	60	76						
FOWLER ELEM DISTRICT	17	28	37	47	54	63	73	83				
FOWLER SCHOOL				47	54	63	73	83				
SUNRIDGE SCHOOL	17	28	37									
GILA BEND UNIFIED DI	14	22	33	44	51	66	69	77	9.3	8.9	10.4	PHS
GILA BEND HIGH SCHOO							69	77	9.3	8.9	10.4	PHS
GILA BEND SCHOOL	14	22	33	44	51	66						
GILBERT UNIFIED DIST	21	35	41	53	64	76	84	93	12.3	11.7	PHS	PHS
GILBERT HIGH SCHOOL										11.7	PHS	PHS
GILBERT JUNIOR HIGH								93	12.3			
GILBERT SCHOOL	19	35	42	53	63	77						

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
GREENFIELD SCHOOL	22	34	41	52	63	77						
MESQUITE ELEMENTARY	23	35	42	54	66	77						
MESQUITE JUNIOR HIGH							84					
NEELY SCHOOL	22	35	41	53	61	72						
PATTERSON SCHOOL	21	35	41	54	66	78						
GLENDALE ELEM DISTRI	18	29	36	47	58	67	77	86				
BICENTENNIAL SCHOOL	18	27	37	47	58	71	79	90				
DON MENSENDICK SCHOO					60	65	75	85				
GLENDALE AMERICAN SC	22	34	39	51	63	76	82	91				
GLENDALE LANDMARK	14	24	34	43	50	58	68	81				
GLENN F BURTON SCHOO	20	32	34	47	55	61	77	78				
HAROLD W SMITH SCHOO	13	25	34	41	55	57	68	79				
HORIZON SCHOOL	25	36	42	52	66	73	88	94				
ISAAC E IMES SCHOOL	14	26	33	45	55	64	72	79				
MELVIN E SINE SCHOOL	16	31	39	53	63	70	83	93				
WILLIAM C JACK SCHOO	24	32	37	48								
GLENDALE UNION HIGH									11.2	11.6	PHS	PHS
ALTERNATIVE CAMPUS									10.0	10.9	9.8	12.1
APOLLO HIGH SCHOOL									12.1	12.4	PHS	PHS
CORTEZ HIGH SCHOOL									10.2	11.4	12.7	PHS
GLENDALE HIGH SCHOOL									10.2	10.0	11.1	12.3
GREENWAY HIGH SCHOOL									11.4	11.5	PHS	PHS
INDEPENDENCE HIGH SC									10.5	10.4	11.6	PHS
MOON VALLEY HIGH SCH									11.5	12.1	PHS	PHS
SUNNYSLOPE HIGH SCHO									10.5	12.7	PHS	PHS
THUNDERBIRD HIGH SCH									12.3	11.5	PHS	PHS
WASHINGTON HIGH SCHO									11.4	11.6	12.3	PHS
HIGLEY ELEM DISTRICT	15	27	37	49	56	63	73	82				
HIGLEY SCHOOL	15	27	37	49	56	63	73	82				
HORSE MESA ACCOM SCH		25	30				64	72	5.4	6.7	7.6	
ESTRELLA MOUNTAIN HI									5.4	6.7	7.6	
HORSE MESA ACCOM SCH		25	30				64	72				
ISAAC ELEM DISTRICT	14	24	33	41	53	58	67	71				
ALTA E BUTLER SCHOOL	14	25	31	41	52	53						
ISAAC JUNIOR HIGH SC							67	71				
J B SUTTON SCHOOL	14	22	30	38	48	59						
JOSEPH ZITO SCHOOL	16	24	34	44	55	56						
MITCHELL SCHOOL	12	24	36	43	56	63						

ARIZONA PUPIL ACHIEVEMENT TESTING

READING

GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
P T COE SCHOOL	12	25	34	42	55	61						
KYRENE ELEM DISTRICT	20	34	42	53	64	73	86	91				
C I WAGGONER SCHOOL	20	34	40	53	63	73						
KYRENE DE LA COLINA	21	38	44	53	70	77						
KYRENE DE LA PALOMA	18	33	39	53	64	69						
KYRENE DE LAS LOMAS	22	33	43	53	64	73						
KYRENE DE LOS NINOS	18	33	42	51	62	72						
KYRENE DEL CIELO	21	37	46	54	67	77						
KYRENE DEL NORTE	20	35	38	49	62	74						
KYRENE DEL PUEBLO							87	94				
KYRENE JUNIOR HIGH S							85	90				
LAVEEN ELEM DISTRICT	14	25	34	43	51	62	67	73				
LAVEEN SCHOOL	16	27	36	45	54	66	66	76				
MC CASH SCHOOL	11	22	30	41	48	58	67	69				
LIBERTY ELEM DISTRIC	16	29	39	49	57	64	77	83				
LIBERTY SCHOOL	16	29	39	49	57	64	77	83				
LITCHFIELD ELEM DIST	21	33	46	52	62	72	87	97				
LITCHFIELD SCHOOL	22	35	49	54	65	74	90	101				
SCOTT LIBBY SCHOOL	20	30	42	47	59	69	83	90				
LITTLETON ELEM DISTR	16	25	32	44	55	62	68	79				
LITTLETON SCHOOL	16	25	32	44	55	62						
UNDERDOWN JUNIOR HIG							68	79				
MADISON ELEM DISTRIC	23	37	44	56	65	76	88	97				
MADISON HEIGHTS SCHO	23	36	45	60								
MADISON MEADOWS SCHO					68	80	90	100				
MADISON NO 1 SCHOOL					65	76	89	96				
MADISON PARK II SCHO	17	31	40	50	58	71	82	93				
MADISON RICHARD C SI	26	39	48	57								
MADISON ROSE LANE SC	26	38	44	56								
MESA UNIFIED DISTRIC	20	32	40	51	63	72	83	91	12.0	11.7	PHS	PHS
ADAMS SCHOOL	18	32	36	50	57	69						
ALMA SCHOOL	23	35	43	53	67	73						
CARSON JUNIOR HIGH S							79	89	11.0			
CRISMON SCHOOL	22	36	43	54	67	74						
DOBSON HIGH SCHOOL										12.4	PHS	PHS
EDISON SCHOOL	18	31	39	53	64	74						

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APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
EISENHOWER SCHOOL	17	30	35	48	59	69						
EMERSON SCHOOL	21	32	41	47	65	67						
FIELD SCHOOL	19	31	43	53	67	76						
FRANKLIN SCHOOL	25	37	44	58	70	78						
FREMONT JUNIOR HIGH							78	86	11.4			
HALE SCHOOL	24	33	42	56	68	79						
HAWTHORNE SCHOOL	20	33	39	49	64	74						
HENDRIX JUNIOR HIGH							87	93	12.4			
HIGHLAND SCHOOL	18	36	41	51	65	71						
HOLMES SCHOOL	17	29	37	44	59	72						
IRVING SCHOOL	21	33	42	53	62	73						
JEFFERSON SCHOOL	18	29	34	47	56	65						
JOHNSON SCHOOL	22	31	40	54	66	73						
JORDAN SCHOOL	24	34	44	56	68	77						
KELLER SCHOOL	18	31	40	51	63	69						
KINO JUNIOR HIGH SCH							86	93	PHS			
LEHI SCHOOL	19	28	40	52	61	68						
LINCOLN SCHOOL	16	29	34	44	54	65						
LINDBERGH SCHOOL	19	32	41	48	61	70						
LONGFELLOW SCHOOL	16	30	38	47	61	66						
LOWELL SCHOOL	16	33	37	45	56	60						
MACARTHUR SCHOOL	23	37	44	55	67	76						
MESA HIGH SCHOOL										11.6	12.4	PHS
MESA JUNIOR HIGH SCH							78	84	10.0			
MESA VISTA							54	68	6.3	8.9	8.3	10.5
MESA VO-TECH										8.9	9.7	12.9
MOUNTAIN VIEW HIGH S										12.3	PHS	PHS
POMEROY SCHOOL	21	34	39	52	63	74						
POSTON JUNIOR HIGH S							86	97	PHS			
POWELL JUNIOR HIGH S							80	86	11.0			
REDBIRD SCHOOL	19	27	40	49	61	75						
RHODES JUNIOR H.S.							88	96	PHS			
ROBSON SCHOOL	22	35	46	54	65	74						
ROOSEVELT SCHOOL	21	32	42	53	66	73						
SALK SCHOOL	17	30	37	50	58	70						
SALT RIVER VISTA									5.2	6.9	6.6	5.5
SANDRA DAY O'CONNER	20	33	43	51	64	75						
SIRRINE SCHOOL	25	36	45	52	65	73						
STEVENSON SCHOOL	15	27	37	48	55	63						
TAFT SCHOOL	19	32	36	45	57	64						
TAYLOR JUNIOR HIGH S							83	94	12.7			
WASHINGTON SCHOOL	26	38	44	56	69	79						
WEBSTER SCHOOL	16	28	38	47	57	68						

ARIZONA PUPIL ACHIEVEMENT TESTING

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GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
WESTWOOD HIGH SCHOOL										11.6	PHS	PHS
WHITMAN SCHOOL	20	28	38	50	60	69						
WHITTIER SCHOOL	19	29	41	47	62	71						
MOBILE ELEM DISTRICT	30											
MOBILE ELEMENTARY SC	30											
MORRISTOWN ELEM DIST	20	34	38	40	62	69	74	81				
MORRISTOWN ELEMENTAR	20	34	38	40	62	69	74	81				
MURPHY ELEM DISTRICT	12	22	30	41	49	56	64	72				
ALFRED F. GARCIA SCH	12	23	31	41	46	55	64	72				
ARTHUR M. HAMILTON S	10	21	27	38	50	54	63	67				
JACK L. KUBAN SCHOOL	12	23	28	42	51	60	60	76				
WILLIAM R. SULLIVAN	15	23	33	42	48	57	70	71				
NADABURG ELEM DISTRI	18	24	35	42	59	63	74	81				
NADABURG SCHOOL	18	24	35	42	59	63	74	81				
OSBORN ELEM DISTRICT	16	31	38	50	60	68	76	88				
CLARENDON SCHOOL					62	68	75	91				
ENCANTO SCHOOL	16	34	40	53								
GRANDVIEW SCHOOL					62	73	81	90				
LONGVIEW SCHOOL 1	13	25	35	46								
LONGVIEW SCHOOL 2					57	64	71	84				
SOLANO SCHOOL	19	33	39	49								
PALO VERDE ELEM DIST	19	24	35	48	54	66	78	86				
PALO VERDE SCHOOL	19	24	35	48	54	66	78	86				
PALOMA ELEM DISTRICT	27	22	26	41	51	59	63	73				
KISER ELEM.	27	22	26	41	51	59	63	73				
PARADISE VALLEY UNIF	21	35	41	52	64	73	83	89	11.8	12.1	PHS	PHS
DESERT SHADOWS SCHO	25	39	46	58	68	78						
ECHO MOUNTAIN	18	34	41	50	63	68						
MERCURY MINE SCHOOL	23	39	43	56	70	77						
SUNRISE MIDDLE							83	88				
AIRE LIBRE SCHOOL	19	33	39	50	62	72						
ARROWHEAD SCHOOL	20	30	37	51	62	67						
CAMPO BELLO SCHOOL	20	31	40	49	62	73						
DESERT COVE	23	39	44	54	66	79						
DESERT SHADOWS MIDDL							87	93				

ARIZONA PUPIL ACHIEVEMENT TESTING

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GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
DESERT SPRINGS	24	37	43	55	65	76						
EAGLE RIDGE ELEM	18	34	40	51	59	62						
GOLD DUST SCHOOL	19	35	41	53	64	74						
GREENWAY MIDDLE SCHO							79	84				
HORIZON HIGH SCHOOL									12.9	PHS	PHS	PHS
INDIAN BEND SCHOOL	21	33	41	52	62	75						
LARKSPUR SCHOOL	20	36	39	53	61	71						
LIBERTY SCHOOL	26	39	44	53	69	79						
PALOMINO SCHOOL	16	29	37	48	60	67						
PARADISE VALLEY HIGH									10.6	11.1	12.1	PHS
POLARIS SCHOOL									8.7	9.0	9.6	12.4
SANDPIPER SCHOOL	24	39	45	53	68	76						
SHADOW MOUNTAIN HIGH									12.3	12.3	PHS	PHS
SHEA MIDDLE SCHOOL							82	92				
VILLAGE VISTA SCHOOL	23	38	42	53	62	75						
PENDERGAST ELEM DIST	18	29	38	47	58	67	80	86				
DESERT HORIZON SCHOO	20	32	39	45	57	67	81	88				
PENDERGAST SCHOOL	18	27	33	47	59	65	81	88				
VILLA DE PAZ	17	30	40	49	61	71						
WESTWIND SCHOOL	17	26	38	49	57	67	77	82				
PEORIA UNIFIED DISTR	20	33	41	51	63	72	82	91	11.2	11.0	12.9	PHS
ALTA LOMA SCHOOL	18	30	38	47	60	65	79	82				
CACTUS HIGH SCHOOL									12.1	11.2	PHS	PHS
COPPERWOOD SCHOOL	22	35	43	51	64	73	83	89				
COTTON BOLL ELEM	20	33	40	51	60	71	83	91				
DESERT PALMS SCHOOL	22	34	38	49	63	72	83	90				
DESERT VALLEY ELEMEN	20	35	44	55	67	77	87					
FOOTHILLS SCHOOL	20	32	40	52	64	73	82	93				
HERITAGE SCHOOL	22	36	41	54	62	75	81	92				
IRA A MURPHY SCHOOL	18	32	39	51	66	69	79	91				
IRONWOOD HIGH SCHOOL									11.8	11.4		
KACHINA SCHOOL	24	32	42	53	65	71	87	96				
OAKWOOD	24	34	42	51	64	77	82	98				
PEORIA ELEMENTARY	16	32	39	50	57	66	76	86				
PEORIA HIGH SCHOOL									9.9	10.5	12.9	PHS
PIONEER SCHOOL	19	32	41	53	63	75	84	94				
SUNDANCE SCHOOL	21	32	42	52	60	68	80	91				
PHOENIX ELEM DISTRIC	14	23	31	40	51	58	64	73				
ANN OTT SCHOOL	14	24	34	39	48	63						
BETHUNE SCHOOL	15	21	27	34	46	58	65	73				

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GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
CAPITOL SCHOOL	15	25	33	45	55	64						
DUNBAR SCHOOL	10	18	25	35	55	53						
EDISON SCHOOL	12	21	31	35	48	50	63	73				
EMERSON SCHOOL	18	24	32	42	50	59						
GARFIELD SCHOOL	11	24	33	39	49	54						
KENILWORTH SCHOOL	13	21	30	44	50	61						
LOWELL SCHOOL	12	22	29	40	47	54						
MAIE BARTLETT HEARD	25	30	39	50	60	66	67	77				
SHAW SCHOOL	11	21	25	35	48	53						
SYLVESTRE HERRERA SC	11	20	31	42	53	59	63	69				
WHITTIER SCHOOL	15	30	33	42	59	65						
PHOENIX UNION HIGH S									8.9	9.8	10.6	11.9
ALHAMBRA E.S.O.									9.8	10.4	9.4	10.5
ALHAMBRA HIGH SCHOOL									10.1	10.1	12.0	12.7
B.A.C.E.									5.3	8.3	8.9	10.5
C.E.C.									7.2	7.7	7.0	
CAMELBACK HIGH SCHOO									10.1	11.5	12.4	PHS
CARL HAYDEN HIGH SCH									8.6	9.2	9.1	11.0
CENTRAL HIGH SCHOOL									9.4	10.4	12.1	PHS
CYESIS - EAST									7.4	7.5	8.2	9.6
CYESIS - WEST									6.0	8.4	9.1	PHS
HOME BOUND									11.5	7.7	8.7	9.5
MARYVALE HIGH SCHOOL									9.1	9.6	10.5	12.7
NORTH HIGH SCHOOL									8.6	9.3	9.8	11.5
SOUTH MOUNTAIN E.S.O									4.4	8.2	9.9	7.5
SOUTH MOUNTAIN HIGH									6.6	8.5	8.5	9.6
TREVOR BROWNE HIGH S									9.1	10.0	10.6	11.6
QUEEN CREEK UNIFIED	13	25	34	43	57	62	70	78	9.3	8.8	7.6	
QUEEN CREEK ELEMENTA	13	25	34	43	57	62						
QUEEN CREEK HIGH SCH									9.3	8.8	7.6	
QUEEN CREEK JR HIGH							70	78				
RIVERSIDE ELEM DISTR	12	27	33	44	53	55	64	75				
RIVERSIDE SCHOOL	12	27	33	44	53	55	64	75				
ROOSEVELT ELEM DISTR	12	23	30	41	50	58	67	76				
C J JORGENSEN SCHOOL	10	23	30	40	48	55	66	72				
C O GREENFIELD SCHOO				41	52	60	65	76				
IGNACIO CONCHOS SCHO	11	20	29	38	49	59	69	82				
JOHN F KENNEDY SCHOO	12	23	31									
JOHN R DAVIS SCHOOL	13	22	29	39	51	57	67	74				

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GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
MARTIN LUTHER KING J	14	26	34	46								
PALMDALE SCHOOL	10	19	24	35	46	57	61	79				
PERCY L JULIAN SCHOO					49	54	60	75				
RIO VISTA SCHOOL	11	22	28	36	47	52	64	72				
ROSE LINDA SCHOOL	K8	20	29	43	51	55	66	70				
SIERRA VISTA SCHOOL	10	23	28	45	48	60	65	76				
SOUTH SCHOOL	16	26	33	39	53	57	68	80				
SOUTHWEST SCHOOL	16	27	32	46	56	68	73	83				
SUNLAND SCHOOL	16	22	29	41	47	57	74	71				
T G BARR SCHOOL	K8	19	26	38	47	55	66	72				
V H LASSEN SCHOOL	12	20	31	38	52	56	73	78				
VALLEY VIEW SCHOOL	14	28	31	46	56	62	71	81				
RUTH FISHER ELEM DIS	21	37	39	54	66	64	84	84				
RUTH FISHER SCHOOL	21	37	39	54	66	64	84	84				
SCOTTSDALE UNIFIED D	24	37	45	55	67	77	88	95	PHS	PHS	PHS	PHS
ALTERNATIVE HIGH SCH									8.9	8.0	9.0	11.5
ANASAZI SCHOOL	22	38	47	56	68	77						
ARCADIA HIGH SCHOOL									PHS	PHS	PHS	PHS
CHAPARRAL HIGH SCHOO									PHS	PHS	PHS	PHS
CHEROKEE SCHOOL	27	40	47	57	70							
COCHISE SCHOOL	30	39	46	59	69							
COCOPAH MIDDLE SCHOO						80	94	100				
CORONADO HIGH SCHOOL									12.7	11.5	PHS	PHS
HOHOKAM SCHOOL	19	39	43	53	63	75						
HOPI SCHOOL	27	40	48	58	72	80						
INGLESIDE MIDDLE SCH							89	95				
KIVA SCHOOL	23	39	49	58	70	80						
MOHAVE MIDDLE SCHOOL							86	95				
NAVAJO SCHOOL	20	35	43	52	62	74						
PIMA SCHOOL	27	38	45	55	65	73						
PUEBLO SCHOOL	23	38	42	55	65	75						
SAGUARO HIGH SCHOOL									PHS	PHS	PHS	PHS
SUPAI SCHOOL							82	90				
TAVAN SCHOOL	23	33	47	52	66	75						
TONALEA SCHOOL	22	35	42	51	64	74						
TONTO SCHOOL	20	31	42	55	67	70						
YAVA PAI SCHOOL	20	33	41	47	63	71						
SENTINEL ELEM DISTRI	17	26	37	33	56	61	46	86				
SENTINEL SCHOOL	17	26	37	33	56	61	46	86				

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
TEMPE ELEM DISTRICT	18	30	40	50	62	71	81	89				
AGUILAR SCHOOL	17	31	42	49	61	73						
ARREDONDO SCHOOL	17	34	42	56	63	75						
BROADMOR SCHOOL	22	35	42	53	72	75						
BUSTOZ SCHOOL	22	34	46	54	71	76						
CARMINATI SCHOOL	18	34	40	51	64	75						
CONNOLLY JUNIOR HIGH							81	91				
CURRY SCHOOL	22	34	43	54	63	75						
EVANS SCHOOL	16	24	40	47	58	67						
FEES JUNIOR HIGH SCH							81	89				
FRANK SCHOOL	15	26	39	47	55	64						
FULLER SCHOOL	24	36	42	53	67	75						
GILLILAND JUNIOR HIG							77	86				
HOLDEMAN SCHOOL	16	28	38	51	63	72						
HUDSON SCHOOL	19	36	43	55	66	79						
LAIRD SCHOOL	17	28	37	46	55	69						
MCKEMY JUNIOR HIGH S							85	93				
MEYER SCHOOL	18	30	41	56	64	75						
NEVITT SCHOOL	18	30	39	48	60	68						
ROVER SCHOOL	21	34	46	58	66	76						
SCALES SCHOOL	12	23	37	46	59	68						
THEW SCHOOL	14	23	33	43	53	60						
WOOD SCHOOL	16	29	38	48	59	69						
TEMPE UNION HIGH SCH									11.5	12.0	PHS	PHS
CORONA DEL SOL HIGH									11.7	12.4	PHS	PHS
EVENING SCHOOL												12.6
MARCOS DE NIZA HIGH									11.7	11.7	12.7	PHS
MCCLINTOCK HIGH SCHO									12.1	12.3	PHS	PHS
TEMPE HIGH SCHOOL									10.6	11.6	PHS	PHS
TOLLESON ELEM DISTRI	11	28	33	43	50	63	66	74				
TOLLESON JUNIOR HIGH					50	63	66	74				
UNIT I SCHOOL	11	28	33	43								
TOLLESON UNION HIGH									9.5	9.9	11.1	11.7
TOLLESON UNION HIGH									9.5	9.9	11.1	11.7
UNION ELEM DISTRICT	24	23	32	40	50	56	63	78				
UNION SCHOOL	24	23	32	40	50	56	63	78				

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
WASHINGTON ELEM DIST	20	32	40	51	63	72	82	90				
ACACIA SCHOOL	25	33	42	53	65	67						
ALTA VISTA SCHOOL	17	35	43	52	65	75						
ARROYO SCHOOL	22	38	41	55	63	71						
CACTUS WREN SCHOOL	20	29	39	52	64	72						
CHAPARRAL SCHOOL	19	31	40	51	60	71						
CHOLLA SCHOOL							82	91				
DESERT FOOTHILLS SCH							84	92				
DESERT VIEW SCHOOL	14	33	37	44	62	73						
IRONWOOD SCHOOL	19	33	41	55	69	74						
JOHN JACOBS SCHOOL	18	32	41	57	62	72						
LAKEVIEW SCHOOL	18	33	38	49	61	75						
LOOKOUT MOUNTAIN SCH	21	37	45	52	70	77						
MANZANITA SCHOOL	25	34	43	49	59	70						
MARYLAND SCHOOL	20	32	35	50	60	69						
MOON MOUNTAIN SCHOOL	18	30	39	50	64	69						
MOUNTAIN SKY							85	94				
MOUNTAIN VIEW SCHOOL	15	29	34	49	59	66						
OCOTILLO SCHOOL	17	29	39	47	57	73						
ORANGEWOOD SCHOOL	19	31	38	48	57	72						
PALO VERDE SCHOOL							80	90				
RICHARD E MILLER SCH	22	35	42	55	71	78						
ROADRUNNER SCHOOL	24	34	41	52	65	77						
ROYAL PALM SCHOOL							77	84				
SAHUARO SCHOOL	21	33	39	50	63	71						
SENITA SCHOOL	21	34	40	50	65	75						
SHAW BUTTE SCHOOL	17	28	38	48	58	65						
SUNBURST SCHOOL	20	30	41	50	65	73						
SUNNYSLOPE SCHOOL	18	28	35	46	56	62						
SUNSET SCHOOL	18	34	41	51	65	74						
SWEETWATER SCHOOL	26	33	42	51	63	74						
TUMBLEWEED SCHOOL	24	33	40	55	66	73						
WASHINGTON SCHOOL	23	30	38	52	64	70						
WICKENBURG UNIFIED D	21	31	40	52	63	75	81	87	10.5	10.5	12.3	PHS
MACLENNAN SCHOOL	21	31	40									
VULTURE PEAK SCHOOL				52	63	75	81	87				
WICKENBURG HIGH SCHO									10.5	10.5	12.3	PHS
WILLIAMS AFB ACCOM S	19	38	43	52	64	76	87	92				
WILLIAMS AFB ACC SCH	19	38	43	52	64	76	87	92				

ARIZONA PUPIL ACHIEVEMENT TESTING

READING

GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
WILSON ELEM DISTRICT	15	24	32	43	51	62	62	74				
WILSON ELEMENTARY SC	15	24	32	43	51	62	62	74				

ARIZONA PUPIL ACHIEVEMENT TESTING

READING

GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
MOHAVE	19	31	39	50	62	70	81	87	10.2	10.6	12.1	PHS
BULLHEAD CITY ELEM D	18	30	35	48	65	69	81	85				
BULLHEAD CITY INTERM			35	48	65	69						
BULLHEAD CITY JR HIG							81	85				
BULLHEAD PRIMARY SCH	18	30										
CHLORIDE ELEM DISTRI	17	25	40	50	60	53	71	86				
MOUNT TIPTON SCHOOL	17	25	40	50	60	53	71	86				
COLORADO CITY UNIFIE	17	27	39	48	61	71	86	93	10.5	11.0	12.1	PHS
COLORADO CITY SCHOOL	17	27	39	48	61	71	86	93	10.5	11.0	12.1	PHS
HACKBERRY ELEM DISTR	29	16				64						
HACKBERRY SCHOOL	29	16				64						
KINGMAN ELEM DISTRIC	19	32	41	51	62	70	81	88				
HUALAPAI SCHOOL	21	33	45	55	64	71						
KINGMAN JUNIOR HIGH							81	88				
LA SENITA SCHOOL	19	31	39	50	59	66						
MANZANITA SCHOOL	21	35	43	50	64	73						
PALO CHRISTI SCHOOL	15	31	37	49	61	72						
LAKE HAVASU UNIFIED	23	34	42	52	63	73	85	89	10.9	10.9	12.9	PHS
HAVASUPAI SCHOOL	23	32	39	51	59	72						
LAKE HAVASU HIGH SCH									10.9	10.9	12.9	PHS
LAKE HAVASU JUNIOR H							85	89				
NAUTILUS SCHOOL	24	33	41	50	63	70						
ORO GRANDE SCHOOL	23	32	46	50	58	75						
SMOKETREE SCHOOL	20	35	41	50	65	73						
STARLINE SCHOOL	26	37	44	57	65	74						
LITTLEFIELD ELEM DIS	14	31	35	42	53	49						
LITTLEFIELD SCHOOL	14	31	35	42	53	49						
MOHAVE UNION HIGH SC									10.0	10.5	11.7	PHS
KINGMAN HIGH SCHOOL									10.4	11.0	12.3	PHS
MOHAVE HIGH SCHOOL									9.7	9.8	11.2	PHS
MOHAVE VALLEY ELEM D	14	27	35	47	56	69	76	80				
MOHAVE VALLEY SCHOOL	14	27	35	47	56	69	76	80				

ARIZONA PUPIL ACHIEVEMENT TESTING

READING

GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
OWENS WHITNEY ELEM D	17	24	34	51	60		62	88				
OWENS WHITNEY SCHOOL	17	24	34	51	60		62	88				
PEACH SPRINGS ELEM D	12	20	33	37	42	59	61	73				
PEACH SPRINGS SCHOOL	12	20	33	37	42	59	61	73				
VALENTINE ELEM DISTR	25	35	46	56	66	80	87					
VALENTINE SCHOOL	25	35	46	56	66	80	87					
YUCCA ELEM DISTRICT				54		65						
YUCCA SCHOOL				54		65						

ARIZONA PUPIL ACHIEVEMENT TESTING

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GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
NAVAJO	18	28	36	44	56	64	74	83	8.2	9.2	10.1	11.4
BLUE RIDGE UNIFIED	20	34	44	53	66	72	85	91	10.4	11.5	12.9	PHS
BLUE RIDGE ELEMENTAR	20	34	44									
BLUE RIDGE HIGH SCHO									10.4	11.5	12.9	PHS
BLUE RIDGE JUNIOR HI							85	91				
BLUE RIDGE MIDDLE				53	66	72						
CEDAR UNIFIED DISTRI	11	16	24	30	42	46	54	61	5.0			
JEDDITO SCHOOL	14	18	28	34	45	50	59	65	5.2			
PINON SCHOOL	10	16	23	27	40	44	51	59	4.9			
HOLBROOK UNIFIED	24	33	39	49	58	68	80	83	8.4	8.9	9.6	10.0
HOLBROOK HIGH SCHOOL									8.4	8.9	9.6	10.0
HOLBROOK JUNIOR HIGH						68	80	83				
HULET SCHOOL	25	35	38	47	57							
PARK SCHOOL	23	31	39	51	60							
WOODRUFF SCHOOL	25	40										
JOSEPH CITY UNIFIED	21	35	39	50	59	68	78	85	11.0	11.4	12.3	PHS
JOSEPH CITY ELEMENTA	21	35	39	50	59	68						
JOSEPH CITY HIGH SCH							78	85	11.0	11.4	12.3	PHS
KAYENTA UNIFIED DIST	14	21	32	38	50	57	63	77	6.5	6.7	7.5	8.3
KAYENTA INTERMEDIATE			32	38	50							
KAYENTA MIDDLE SCHOO						57	63	77				
KAYENTA PRIMARY SCHO	14	21										
MONUMENT VALLEY HIGH									6.5	6.7	7.5	8.3
SHOW LOW UNIFIED DIS	19	33	37	48	59	70	79	89	11.0	10.9	11.7	PHS
SHOW LOW HIGH SCHOOL									11.0	10.9	11.7	PHS
SHOW LOW JUNIOR HIGH						70	79	89				
SHOW LOW SCHOOL	19	33	37	48	59	76						
SNOWFLAKE UNIFIED DI	20	31	38	49	60	70	83	91	10.7	10.7	12.6	PHS
CAPPS SCHOOL	22	34	41	52	61	68	83	90				
HIGHLAND PRIMARY SCH	19	31	39						10.7	10.7	12.6	PHS
SNOWFLAKE INTERMEDIA				50	61	71						
SNOWFLAKE JUNIOR HIG							83	92				
TAYLOR SCHOOL	19	29	36	46	57	70						

ARIZONA PUPIL ACHIEVEMENT TESTING

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GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
WHITERIVER UNIFIED D	11	18	29	36	48	54	60	71	5.2	6.7	7.6	7.9
ALCHESAY HIGH SCHOOL									5.2	6.7	7.6	7.9
SEVEN MILE SCHOOL	11	16	25	37	44	53						
WHITERIVER JUNIOR HI							60	71				
WHITERIVER SCHOOL	11	18	31	36	49	55						
WINSLOW UNIFIED DIST	20	30	39	48	61	65	77	85	9.0	9.2	9.6	11.4
BONNIE BRENNAN SCHOO	18	30	38	48	65	64						
JEFFERSON SCHOOL	22	34	40	51	58	64						
WASHINGTON SCHOOL	20	29	40	46	61	66						
WINSLOW HIGH SCHOOL									9.0	9.2	9.6	11.4
WINSLOW JUNIOR HIGH							77	85				

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GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
PIMA	18	30	38	49	60	69	77	86	10.4	11.0	12.6	PHS
AJO UNIFIED DISTRICT	16	25	38	47	60	66	78	80	8.0	8.4	10.6	10.9
AJO HIGH SCHOOL									8.0	8.4	10.6	10.9
AJO SCHOOL	16	25	38	47	60	66	78	80				
AMPHITHEATER UNIFIED	20	33	42	51	63	73	81	90	12.1	12.6	PHS	PHS
AMPHITHEATER EVENING									7.4	9.4	9.3	11.0
AMPHITHEATER HIGH SC									11.2	11.7	PHS	PHS
AMPHITHEATER JR HIGH							77	84				
CANYON DEL ORO HIGH									PHS	PHS	PHS	PHS
CORONADO SCHOOL	21	32	41	50	60	69						
E C NASH SCHOOL	16	26	37	43	54	68						
F O HOLAWAY SCHOOL	22	33	44	51	64	74						
HELEN KEELING SCHOOL	13	27	34	45	54	64						
L M PRINCE SCHOOL	19	28	40	50	59	67						
LAWRENCE W CROSS JR							87	96				
LULU WALKER SCHOOL	22	31	41	48	63	75						
MARION DONALDSON SCH	22	36	47	55	68	76						
MESA VERDE SCHOOL	21	35	44	54	68	77						
RIO VISTA ELEMENTARY	18	35	42	51	62	72						
WINIFRED HARELSON SC	22	39	44	56	68	79						
CATALINA FOOTHILLS U	25	40	48	59	72	80	88	101				
MANZANITA SCHOOL	23	41	48	59	73	79						
ORANGE GROVE JR HIGH							88	101				
SUNRISE DRIVE SCHOOL	27	39	49	58	70	82						
CONTINENTAL ELEM DIS	23	35	43	45	79	77	89	94				
CONTINENTAL SCHOOL	23	35	43	45	79	77	89	94				
FLOWING WELLS UNIFIE	18	28	39	50	61	71	77	83	10.7	10.6	11.6	PHS
FLOWING WELLS HIGH S									10.7	10.6	11.6	PHS
FLOWING WELLS JR HIG						71	77	83				
HOMER DAVIS SCHOOL	21	27	40	51	62							
INSCAPE SCHOOL									9.3	8.6		
LAGUNA SCHOOL	17	27	36	48	60							
ROBERT RICHARDSON SC	17	32	44	54	64							
WALTER DOUGLAS SCHOO	17	26	36	47	57							
INDIAN OASIS-BABOQUI	12	22	27	41	46	53	66	72	6.5	6.9	7.3	8.1
BABOQUIVARI JR HIGH							66	72				

ARIZONA PUPIL ACHIEVEMENT TESTING

READING

GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
BABOQUIVARI SR HIGH									6.5	6.9	7.3	8.1
INDIAN OASIS PRIMARY	12	22	27									
TOPAWA MIDDLE				41	46	53						
MARANA UNIFIED DISTR	21	34	41	53	61	70	81	90	11.2	11.1	PHS	PHS
BUTTERFIELD SCHOOL	22	38	43	55								
DEGRAZIA SCHOOL	22	36	41	56								
DESERT WINDS SCHOOL	20	34	42	50	61							
ESTES SCHOOL	17	27	33	48	59							
MARANA HIGH SCHOOL									10.2	11.1	PHS	PHS
MARANA JR HIGH SCHOO						67	77	87				
MOUNTAIN VIEW SCHOOL							83	92	12.0			
ROADRUNNER SCHOOL	19	34	41	47	55							
THORNYDALE SCHOOL	21	31	40	54								
TORTOLITA JR HIGH SC					62	72						
MARY E DILL ELEM DIS	16	29	36	46	57	65	79	86				
MARY E DILL SCHOOL	16	29	36	46	57	65	79	86				
SAHUARITA UNIFIED DI	19	38	39	51	63	68	76	88	11.0	11.9	12.3	PHS
SAHUARITA HIGH SCHOO									11.0	11.9	12.3	PHS
SAHUARITA JR HIGH SC						68	76	88				
SAHUARITA SCHOOL	18	37	39	50	62							
SOPORI SCHOOL	24	39	40	53	64							
SAN FERNANDO ELEM DI				40			78					
SAN FERNANDO SCHOOL				40			78					
SUNNYSIDE UNIFIED DI	19	28	36	46	56	62	72	81	8.2	9.1	9.8	11.4
APOLLO JR HIGH SCHOO							69	79				
CHAPPARRAL JR HIGH S							73	80				
CRAYCROFT SCHOOL	23	27	34	43	52	58						
DESERT VIEW HIGH SCH									8.2	8.8	9.8	11.4
DREXEL SCHOOL	17	28	35	45	53	60						
ELVIRA SCHOOL	18	28	38	41	58	57						
ESPERANZA SCHOOL	18	30	38	50	60	64						
GALLEGO SCHOOL	22	34	41	51	61	67						
LIBERTY SCHOOL	14	25	33	44	53	61						
LOS NINOS SCHOOL	21	28	35	45	59	62						
LOS RANCHITOS SCHOOL	18	25	36	44	53	62						
MISSION MANOR SCHOOL	21	30	33	47	57	66						
SANTA CLARA SCHOOL	17	28	37	47	57	63						
SUNNYSIDE HIGH SCHOO									8.2	9.4	9.7	11.4

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GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
SUNNYSIDE MIDDLE SCH						63	74	83				
VALENCIA SCHOOL				30	44	49	52	64				
TANQUE VERDE UNIFIED	20	39	46	54	68	82	88	97	PHS			
AGUA CALIENTE SCHOOL	19	37	45	54	68	83						
EMILY GRAY JR HIGH S							88	97	PHS			
TANQUE VERDE SCHOOL	21	40	47	54	68	81						
TUCSON UNIFIED DISTR	17	29	37	48	59	68	76	85	10.4	11.1	12.9	PHS
BASIC CURRICULUM							79					
BLENMAN SCHOOL	17	28	37	51	64	76						
BLOOM SCHOOL	23	36	44	50	58	75						
BONILLAS SCHOOL	21	38	43	52	65	76						
BOOTH SCHOOL	20	30	41	50	62							
BORMAN SCHOOL	16	30	38	47	61	71						
BORTON SCHOOL	17	28	31									
BRICHTA SCHOOL	19	30	37	47	66	74						
CARRILLO SCHOOL				47	55	66						
CARSON JUNIOR HIGH S						67	78	86				
CATALINA HIGH SCHOOL									9.7	10.6	12.9	PHS
CAVETT SCHOOL	14	24	28	39	47	55						
CHOLLA HIGH SCHOOL									8.3	9.3	10.2	11.9
COLLIER SCHOOL	21	34	45	53	65	76						
CORBETT SCHOOL	20	30	40	51	65	70						
CRAGIN SCHOOL	17	35	37	51	63	70						
DAVIDSON SCHOOL	18	29	39	50	62							
DAVIS SCHOOL	17	31	36	46	63	61						
DIETZ SCHOOL	16	34	33	50	61	68						
DOOLEN JR HIGH SCHOO						72	76	87				
DRACHMAN SCHOOL	18	25	33									
DUFFY SCHOOL	19	32	41	50	66	73						
DUNHAM SCHOOL	20	34	40	51	65							
ERICKSON SCHOOL	15	28	35	44	56	62						
EXTENDED DAY PROGRAM										6.9	9.6	11.1
FICKETT JR HIGH SCHO						71	79	90				
FORD SCHOOL	17	29	38	49	61	74						
FRUCHTHENDLER SCHOOL	25	39	45	59	71	85						
FT LOWELL SCHOOL	18	27	37	50	68	75						
GALE SCHOOL	24	37	43	52	68	74						
GRIDLEY JR HIGH SCHO						74	81	90				
HENRY SCHOOL	24	38	41	52	66							
HOLLADAY SCHOOL				50	63	65						
HOLLINGER SCHOOL	17	19	31	38	46	57						

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APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
HOWELL SCHOOL	17	28	41	48	67	73						
HOWENSTINE							88	69	6.1			
HUDLOW SCHOOL	16	30	41	55	63	80						
HUGHES SCHOOL	18	30	43	54	63	77						
JEFFERSON PARK SCHOO	15	31	43	44	54	67						
JUNIOR HIGH ACCOMMOD							56	64				
KEEN SCHOOL	15	26	34	45	57	63						
KELLOND SCHOOL	21	32	34	46	57	72						
LAWRENCE SCHOOL	14	26	31	43	51	58						
LINEWEAVER SCHOOL	26	41	49	52	72	79						
LYNN SCHOOL	13	26	37	46	55	62						
LYONS SCHOOL	14	29	36	44	61							
MAGEE JR HIGH SCHOOL							86	96				
MANSFELD JR HIGH SCH							74	85				
MANZO SCHOOL	13	21	29	38	50	57						
MARSHALL SCHOOL	23	32	40	53	63	75						
MAXWELL JR HIGH SCHO							69	79				
MENLO PARK SCHOOL	18	27	29	43	51	63						
MILES EXPLORATORY LE	12	27	34	46	64	64	76	70				
MILLER SCHOOL	14	26	36	47	55	66						
MISSION VIEW SCHOOL	11	19	27	36	45	56						
MYERS SCHOOL	14	29	34	45	59	64						
NAYLOR JR HIGH SCHOO							72	79				
OCHOA SCHOOL	14	25	27	38	52	58						
PALO VERDE HIGH SCHO									10.7	11.2	12.4	PHS
PISTOR JR HIGH SCHOO							72	79				
PROJECT MORE									8.5	10.7	12.4	PHS
PUEBLO GARDENS SCHOO	10	22	26	39	47	57						
PUEBLO HIGH SCHOOL									7.9	8.0	8.9	9.2
REYNOLDS SCHOOL	18	32	37	48	56	67						
RICHEY SCHOOL	15	20	36	45	48	52						
RINCON HIGH SCHOOL									9.8	10.9	11.6	PHS
ROBERTS SCHOOL	15	24	31	42	52	59						
ROBISON SCHOOL	18	23	32	43	54	68						
ROGERS SCHOOL	19	35	44	54	65	76						
ROSE SCHOOL	13	22	35	40	51	61						
ROSKRUGE SCHOOL	14	26	34	44	57	57						
SABINO HIGH SCHOOL									11.5	PHS	PHS	PHS
SAFFORD ELEM SCHOOL	15	19	30	40	51							
SAFFORD JR HIGH SCHO						57	73	83				
SAHUARO HIGH SCHOOL									PHS	PHS	PHS	PHS
SANTA RITA HIGH SCHO									10.6	11.5	PHS	PHS
SCHUMAKER SCHOOL	19	33	39	54	65	73						

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
SECRIST JR HIGH SCHO						73	83	95				
SENIOR HIGH ACCOMODA									7.1	9.7	6.3	9.5
SEWELL SCHOOL	26	38	43	52	67	77						
SMITH SCHOOL	19	28	35	49	62	70						
STEELE SCHOOL	22	30	40	52	63	72						
TEEN-AGE PARENT PROG									5.9	8.4	7.4	11.0
TOLSON SCHOOL	11	24	37	50	57	68						
TOWNSEND JR HIGH SCH							81	89				
TRANSITION									9.4	9.3	8.9	10.1
TUCSON HIGH SCHOOL									9.4	9.9	11.4	12.4
TULLY SCHOOL	23	26	37	48	56	62						
UNIVERSITY HIGH SCHO									PHS	PHS	PHS	PHS
UTTERBACK JR HIGH SC							76	86				
VAIL JR HIGH SCHOOL							84	92				
VAN BUSKIRK SCHOOL	13	21	33	43	47	61						
VAN HORNE SCHOOL	17	33	43	52	66	76						
VESEY SCHOOL	14	26	35	47	59	67						
WAKEFIELD JR HIGH SC							60	69				
WARREN SCHOOL	13	20	32	44	48	66						
WHEELER SCHOOL	15	35	45	47	59	77						
WHITE SCHOOL	16	25	35	45	56	68						
WHITMORE SCHOOL	23	32	46	55	66	77						
WRIGHT SCHOOL	15	25	38	49	58	68						
WRIGHTSTOWN SCHOOL	23	38	43	52	65	76						
VAIL ELEM DISTRICT	20	34	37	50	65	75	77	95				
VAIL SCHOOL	20	34	37	50	65	75	77	95				

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GRADE EQUIVALENT

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
PINAL	17	27	36	45	56	65	72	81	9.0	9.5	10.7	11.9
APACHE JUNCTION UNIF	19	30	37	47	59	71	75	84	10.5	10.6	12.3	PHS
APACHE JUNCTION HIGH									10.5	10.6	12.3	PHS
APACHE JUNCTION JR H							75	84				
FOUR PEAKS SCHOOL	18	30	36	46	62	72						
GOLD CANYON ELEMENTA	18	31	38	47	59	73						
SUPERSTITION MOUNTAI	21	29	37	48	55	67						
CASA GRANDE ELEM DIS	17	28	37	47	56	66	72	83				
CASA GRANDE JR HIGH							72	83				
CHOLLA SCHOOL	16	28	39	47	59	67						
COTTONWOOD SCHOOL	16	26	37	49	57	68						
EVERGREEN SCHOOL	23	28	36	51	61	71						
OCOTILLO SCHOOL	13	25	33	44	49	61						
PALO VERDE SCHOOL	16	26	34	43	50	59						
SAGUARO SCHOOL	18	33	40	46	56	65						
CASA GRANDE UNION HI									9.4	10.2	11.6	12.4
CASA GRANDE UNION A									9.4	10.2	11.6	12.6
CASA GRANDE UNION B									9.3	7.5	11.0	9.4
COOLIDGE UNIFIED DIS	15	27	37	47	56	65	74	77	8.2	9.0	9.4	10.6
COOLIDGE CENTRAL SCH					56	65	74	77				
COOLIDGE HIGH SCHOOL									8.2	9.0	9.4	10.6
NORTH SCHOOL				47								
WEST SCHOOL	15	27	37									
ELOY ELEM DISTRICT	12	22	30	39	50	58	68	74				
CURIEL SCHOOL	12	22	30									
ELOY INTERMEDIATE				39	50	58						
ELOY JUNIOR HIGH SCH							68	74				
FLORENCE UNIFIED DIS	16	25	36	48	54	61	69	82	8.9	9.2	9.7	12.0
FLORENCE ELEMENTARY	16	25	36	48	54							
FLORENCE HIGH SCHOOL						61	69	82	8.9	9.2	9.7	12.0
J O COMBS ELEM DISTR	23	28	36	51	53	61	73	83				
J O COMBS SCHOOL	23	28	36	51	53	61	73	83				
MAMMOTH SAN MANUEL U	17	26	35	45	56	63	71	79	8.3	8.5	9.9	11.5
AVENUE B SCHOOL				45	56	62						

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APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
FIRST AVENUE SCHOOL	17	28	34									
GARDNER MIDDLE SCHOO							71	79				
MAMMOTH SCHOOL	17	24	38	44	57	65						
SAN MANUEL HIGH SCHO									8.3	8.5	9.9	11.5
MARICOPA UNIFIED DIS	15	23	35	44	53	64	72	80	8.3	8.6	9.7	11.7
MARICOPA HIGH SCHOOL									8.3	8.6	9.7	11.7
MARICOPA SCHOOL	15	23	35	44	53	64	72	80				
MARY C O'BRIEN ELEM	18	26	38	41	38	57						
MARY C O'BRIEN SCHOO	18	26	38	41	38	57						
ORACLE ELEM DISTRICT	18	29	40	48	63	69	80	87				
ORACLE SCHOOL	18	29	40	48	63	69	80	87				
PICACHO ELEM DISTRIC	17	30	34	38	47	57	70	75				
PICACHO SCHOOL	17	30	34	38	47	57	70	75				
RAY UNIFIED DISTRICT	20	33	38	45	60	72	77	82	9.7	10.0	11.1	PHS
KEARNY ELEMENTARY					60	72	77	82				
KEARNY PRIMARY	20	33	38	45								
RAY HIGH SCHOOL									9.7	10.0	11.1	PHS
RED ROCK ELEM DISTRI	25	32	33	51	71	68	79	107				
RED ROCK SCHOOL	25	32	33	51	71	68	79	107				
SACATON ELEM DISTRIC	13	23	27	38	45	57	63	70				
SACATON ELEMENTARY	13	23	27	38	45							
SACATON MIDDLE						57	63	70				
SANTA CRUZ VLY U H S									7.1	7.3	8.7	9.2
SANTA CRUZ VALLEY HI									7.1	7.3	8.7	9.2
STANFIELD ELEM DISTR	17	29	32	45	50	59	69	78				
STANFIELD SCHOOL	17	29	32	45	50	59	69	78				
SUPERIOR UNIFIED DIS	17	27	33	44	54	63	70	79	8.9	7.3	9.9	9.9
KENNEDY SCHOOL	17	27	33	44	54	63						
ROOSEVELT SCHOOL							70	79				
SUPERIOR HIGH SCHOOL									8.9	7.3	9.9	9.9
TOLTEC ELEM DISTRICT	14	29	33	43	63	69	81	93				
TOLTEC SCHOOL	14	29	33	43	63	69	81	93				

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
SANTA CRUZ	16	26	35	44	53	60	68	76	7.6	7.9	8.9	10.9
NOGALES UNIFIED DIST	15	25	33	42	51	58	66	73	7.5	7.6	8.9	10.9
A. J. MITCHELL SCHOO	13	23	34	43	52							
CHALLENGER ELEMENTAR	18	26	33	41	51							
LINCOLN SCHOOL	15	26	32	43	50							
MARY WELTY SCHOOL	16	27	34	41	53							
NOGALES HIGH SCHOOL									7.5	7.6	8.9	10.9
PIERSON MIDDLE SCHOO						58	63	70				
WADE CARPENTER MIDDL						58	68	77				
PATAGONIA ELEM DISTR	K9	35	41	58	66	79						
PATAGONIA SCHOOL	K9	35	41	58	66	79						
PATAGONIA UNION HIGH							74	84	11.4	12.1	9.4	11.9
PATAGONIA HIGH SCHOO							74	84	11.4	12.1	9.4	11.9
SANTA CRUZ ELEM DIST	20	24	41	52	48	69	79	88				
SANTA CRUZ SCHOOL	20	24	41	52	48	69	79	88				
SANTA CRUZ VALLEY UN	21	29	40	49	59	65	75	89				
CALABASAS SCHOOL			40	49	59	65	75	89				
TUBAC SCHOOL	21	29										
SONOITA ELEM DISTRIC	23	41	46	61	68	75	93	98				
ELGIN SCHOOL	23	41	46	61	68	75	93	98				

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APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
YAVAPAI	20	33	41	51	63	74	82	91	11.1	11.4	PHS	PHS
ASH FORK UNIFIED DIS	17	34	35	52	61	68	69	76	10.0	10.9	11.5	PHS
ASH FORK HIGH SCHOOL									10.0	10.9	11.5	PHS
ASH FORK SCHOOL	17	34	35	52	61	68	69	76				
BAGDAD UNIFIED DISTR	18	34	36	51	62	71	85	90	8.2	11.2	11.9	11.2
BAGDAD HIGH SCHOOL									8.2	11.2	11.9	11.2
DAVID C LINCOLN SCHO	18	34	36	51	62	71	85	90				
BEAVER CREEK ELEM DI	17	27	38	50	60	64	79	79				
BEAVER CREEK SCHOOL	17	27	38	50	60	64	79	79				
CAMP VERDE UNIFIED D	21	30	38	51	59	73	80	89	10.0	9.5	11.9	PHS
CAMP VERDE HIGH SCHO									10.0	9.5	11.9	PHS
CAMP VERDE SCHOOL	21	30	38	51	59	73	80	89				
CANON ELEM DISTRICT	24	22	39	48	55	66	75	90				
CANON JR. HIGH SCHOO						66	75	90				
CANON SCHOOL	24	22	39	48	55							
CHINO VALLEY UNIFIED	21	30	41	51	63	78	78	87				
CHINO VALLEY UNIFIED									9.7			
CHINO VALLEY SCHOOL						78	78	87				
CHINO VALLEY SCHOOL									9.7			
DEL RIO SCHOOL	21	30	41	51	63							
CLARKDALE-JEROME ELE	21	28	42	46	62	71	80	91				
VERDE SCHOOL	21	28	42	46	62	71	80	91				
COTTONWD OAK CRK ELE	20	33	40	51	63	73	83	91				
CLEMENCEAU SCHOOL					59	72						
COTTONWOOD ELEM SCHO	19	34	40	50								
COTTONWOOD JR HIGH S							84	91				
OAK CREEK SCHOOL	19	30	38	47	64	72	80	91				
WEST SEDONA SCHOOL	23	35	42	57	72	80						
CROWN KING ELEM DIST	24				69							
CROWN KING SCHOOL	24				69							

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
HILLSIDE ELEM DISTRI	14	41	33	38								
HILLSIDE SCHOOL	14	41	33	38								
HUMBOLDT UNIFIED DIS	19	33	43	51	65	72	82	86	9.3	10.7	12.9	PHS
BRADSHAW MOUNTAIN HI									9.3	10.7	12.9	PHS
HUMBOLDT JUNIOR HIGH						72	82	86				
LAKE VALLEY SCHOOL	19	33	43	51	65							
KIRKLAND ELEM DISTRI	20		33	67	54	72						
KIRKLAND SCHOOL	20		33	67	54	72						
MAYER UNIFIED DISTRI	18	34	38	43	64	73	71	90	9.4	12.1	12.4	12.0
MAYER HIGH SCHOOL									9.4	12.1	12.4	12.0
MAYER SCHOOL	18	34	38	43	64	73	71	90				
MINGUS UNION HIGH SC									11.8	11.6	PHS	PHS
MINGUS UNION HIGH SC									11.8	11.6	PHS	PHS
PRESCOTT UNIFIED DIS	20	35	43	54	66	76	85	96	12.7	11.7	PHS	PHS
DEXTER SCHOOL	16	28	42	56	64	77						
GRANITE MOUNTAIN JR							87	99	PHS			
LINCOLN SCHOOL	16	37	38	53	70	76						
MILLER VALLEY SCHOOL	21	34	45	53	66	77						
PRESCOTT HIGH SCHOOL										11.7	PHS	PHS
PRESCOTT JUNIOR HIGH							84	94	12.6			
TAYLOR HICKS SCHOOL	24	37	46	55	67	77						
WASHINGTON SCHOOL	18	34	43	52	62	76						
SELIGMAN UNIFIED DIS	22	36	31	39	59	62	83	99	9.1	8.4	9.1	PHS
SELIGMAN HIGH SCHOOL									9.1	8.4	9.1	PHS
SELIGMAN SCHOOL	22	36	31	39	59	62	83	99				
SKULL VALLEY ELEM DI	30	37	42	38	65	78						
SKULL VALLEY SCHOOL	30	37	42	38	65	78						
YARNELL ELEM DISTRIC	19	30	34	48	57	63						
YARNELL SCHOOL	19	30	34	48	57	63						

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
YUMA	16	27	35	45	55	63	72	81	9.1	9.5	10.5	11.7
ANTELOPE UNION HIGH									7.6	9.0	9.2	9.9
ANTELOPE UNION HIGH									7.6	9.0	9.2	9.9
CRANE ELEM DISTRICT	18	30	38	46	57	67	76	84				
CRANE PUEBLO SCHOOL	17	31	40	47	56	67						
CRANE RANCHO/VIEJO S	17	26	35	43	55	64						
H L SUVERKRUP SCHOOL							76	84				
RONALD REAGAN FUNDAM	24	40	44	54	63	77						
GADSDEN ELEM DISTRIC	K9	16	25	34	42	50	59	64				
GADSDEN SCHOOL			25	34	42	50	59	64				
RIO COLORADO ELEM	K9	16										
HYDER ELEM DISTRICT	11	22	27	42	47	58	72	78				
DATELAND SCHOOL	11	22	27	42	47	58	72	78				
MOHAWK VALLEY ELEM D	16	29	35	47	56	69	73	95				
MOHAWK VALLEY SCHOOL	16	29	35	47	56	69	73	95				
SOMERTON ELEM DISTRI	14	19	26	37	46	55	63	73				
ORANGE GROVE ELEMENT	11	19	27	39	55	60						
SOMERTON ELEMENTARY	15	20	26	37	44	54	63	73				
WELLTON ELEM DISTRIC	16	27	35	45	60	67	74	85				
WELLTON SCHOOL	16	27	35	45	60	67	74	85				
YUMA ELEM DISTRICT	15	28	36	47	58	64	75	84				
ALICE BYRNE SCHOOL	18	30	37	47	59							
C W MCGRAW SCHOOL	15	26	37	48	55	65						
CARVER SCHOOL	12	24	33	39	51							
FOURTH AVE JR HIGH S							69	80				
GILA VISTA JR HIGH S							78	88				
GWYNETH HAM SCHOOL	14	34	33	42	59	64						
JAMES B ROLLE SCHOOL	17	29	42	54	64	74						
JAMES D PRICE SCHOOL	16	28	35	46	63	68						
MARY E POST SCHOOL				46	52	58						
O C JOHNSON SCHOOL	18	32	37	49	59	66						
PALMCROFT SCHOOL	15	29	36	47	61							
PECAN GROVE SCHOOL	11	27	35	42	58							
ROOSEVELT SCHOOL	13	24	35									

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APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	39	48	58	68	78	87	9.2	10.1	11.6	12.3
STATEWIDE	18	30	38	49	60	68	78	86	10.2	10.7	12.1	PHS
WOODARD JR HIGH SCHO						64	79	85				
YUMA UNION HIGH SCHO									9.2	9.5	10.5	11.9
KOFA HIGH SCHOOL									8.5	9.2	10.4	11.9
YUMA HIGH SCHOOL									10.0	9.9	10.6	11.9

Appendix B

1987 Grade Equivalents for Language on the

- Iowa Tests of Basic Skills (1 - 8)
- Stanford Achievement Test (9)
- Stanford Test of Academic Skills (10 - 12)

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GRADE EQUIVALENT

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
APACHE	18	29	38	46	55	63	70	77	7.4	8.4	9.4	10.0
ALPINE ELEM DISTRICT	21	43	45	54	63	66	78	94				
ALPINE SCHOOL	21	43	45	54	63	66	78	94				
CHINLE UNIFIED DISTR	15	25	34	43	51	58	65	72	6.7	7.6	8.9	8.7
CHINLE ELEMENTARY SC		22		44	51	58						
CHINLE HIGH SCHOOL									6.7	7.6	8.9	8.7
CHINLE JUNIOR HIGH S							65	74				
CHINLE PRIMARY SCHOO	16	24	34									
MANY FARMS SCHOOL	14	24	34	42	52	59						
TSAILE SCHOOL	13	31	36	40	51	53	64	63				
CONCHO ELEM DISTRICT	27	26	42	51	57	70	86	95				
CONCHO SCHOOL	27	26	42	51	57	70	86	95				
GANADO UNIFIED DISTR	14	23	32	44	54	62	67	75	6.9	8.1	8.3	9.4
GANADO HIGH SCHOOL									6.9	8.1	8.3	9.4
GANADO INTERMEDIATE				44	54	62						
GANADO JUNIOR HIGH S							67	75				
GANADO PRIMARY SCHOO	14	23	32									
MCNARY ELEM DISTRICT	15	23	27		45	59	48	68				
MCNARY SCHOOL	15	23	27		45	59	48	68				
PUERCO UNIFIED DISTR	14	22	32	42	56	59	62	67	7.0	7.9	9.0	8.8
SANDERS ELEMENTARY S	14	22	32	42	56							
SANDERS JUNIOR HIGH						59	62	67				
VALLEY HIGH SCHOOL									7.0	7.9	9.0	8.8
RED MESA UNIFIED DIS	14	23	27	38	44	51	63	69	5.5	6.3	7.3	7.3
RED MESA HIGH SCHOOL									5.5	6.3	7.3	7.3
RED MESA SCHOOL	15	22	26	40	46	53	65	69				
ROUND ROCK SCHOOL	11	26	28	33	41	44	55	71				
ROUND VALLEY UNIFIED	24	38	45	52	63	75	78	91	11.4	11.7	PHS	PHS
ROUND VALLEY HIGH SC									11.4	11.7	PHS	PHS
ROUND VALLEY MIDDLE				52	63	75	78	91				
ROUND VALLEY PRIMARY	24	38	45									
ST JOHNS UNIFIED DIS	24	40	44	51	66	70	80	92	9.5	10.5	10.1	PHS
PIONEER SCHOOL	24	40	44	51								

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
ST JOHNS HIGH SCHOOL									9.5	10.5	10.1	PHS
ST JOHNS JR HIGH SCH					66	70	80	92				
WINDOW ROCK UNIFIED	17	30	41	46	53	60	71	74	7.3	8.3	9.5	10.0
FT DEFIANCE SCHOOL	16	30	40	48	54							
TSO HO TSO MIDDLE SC						60	71	74				
WINDOW ROCK HIGH SCH									7.3	8.3	9.5	10.0
WINDOW ROCK SCHOOL	19	30	43	44	51							

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
COCHISE	19	32	41	51	60	69	77	87	9.7	10.7	12.1	12.6
APACHE ELEM DISTRICT		39		57		77						
APACHE SCHOOL		39		57		77						
ASH CREEK ELEM DISTR	15	28	34	46	59	64	87	95				
ASH CREEK SCHOOL	15	28	34	46	59	64	87	95				
BENSON ELEM DISTRICT	19	36	41	55	58	68	75	88				
BENSON SCHOOL	19	36	41	55	58	68	75	88				
BENSON UNION HIGH SC									8.8	11.2	11.7	PHS
BENSON UNION HIGH SC									8.8	11.2	11.7	PHS
BISBEE UNIFIED DISTR	17	31	41	46	56	63	80	85	9.2	9.4	11.1	11.6
BISBEE HIGH SCHOOL	17	31	41						9.2	9.4	11.1	11.6
LOWELL SCHOOL				46	56	63	80	85				
BOWIE UNIFIED DISTRI	21	31	25	44	49	66	64	70	8.5	9.9	PHS	11.4
BOWIE HIGH SCHOOL									8.5	9.9	PHS	11.4
BOWIE SCHOOL	21	31	25	44	49	66	64	70				
COCHISE ELEM DISTRIC	17	31	44	59	68	73	90					
COCHISE SCHOOL	17	31	44	59	68	73	90					
DOUBLE ADOBE ELEM DI	14	32	46	47	65	87						
DOUBLE ADOBE SCHOOL	14	32	46	47	65	87						
DOUGLAS UNIFIED DIST	17	28	39	49	58	65	74	85	9.2	10.7	11.7	12.0
A AVENUE SCHOOL	15	26	39	53	62							
CLAWSON SCHOOL	16	27	40	47	60							
DOUGLAS HIGH SCHOOL									9.2	10.7	11.7	12.0
DOUGLAS JUNIOR HIGH						61	68	77				
FARAS SCHOOL	16	29	40	46	53							
FIFTEENTH STREET SCH	17	24	37	47	62							
JOE CARLSON SCHOOL	20	26	38	55	60							
PAUL H. HUBER JR HIG						68	79	92				
SARAH MARLEY SCHOOL	14	20	34	40	47							
STEVENSON SCHOOL	20	36	42	54	64							
ELFRIDA ELEM DISTRIC	24	29	39	48	53	68	82	81				
ELFRIDA SCHOOL	24	29	39	48	53	68	82	81				

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
FT HUACHUCA ACCOM SC	19	34	43	52	61	69	78	94				
COLONEL JOHNSTON SCH	19	34	43									
COLONEL SMITH MIDDLE						69	78	94				
GENERAL MYER SCHOOL				52	61							
MCNEAL ELEM DISTRICT	21	35	38	42	55	75	83	96				
MCNEAL SCHOOL	21	35	38	42	55	75	83	96				
NACO ELEM DISTRICT	13	28	33	44	50	55	65	73				
NACO SCHOOL	13	28	33	44	50	55	65	73				
PALOMINAS ELEM DISTR	22	34	41	52	59	72	83	94				
PALOMINAS SCHOOL	22	34	41	52	59	72	83	94				
PEARCE ELEM DISTRICT	25	34	46	59	62	64	73	91				
PEARCE SCHOOL	25	34	46	59	62	64	73	91				
POMERENE ELEM DISTRI	24	33	45	47	65	67	86	94				
POMERENE SCHOOL	24	33	45	47	65	67	86	94				
SAN SIMON UNIFIED DI	20	31	44	57	61	77	85	84	10.2	10.4	PHS	12.7
SAN SIMON HIGH SCHOO									10.2	10.4	PHS	12.7
SAN SIMON SCHOOL	20	31	44	57	61	77	85	84				
SIERRA VISTA UNIFIED	21	34	43	53	64	74	80	88	10.2	11.2	12.9	PHS
BELLA VISTA SCHOOL	22	31	45	54	62	75						
BUENA HIGH SCHOOL	18	30	39	47	60	68			10.2	11.2	12.9	PHS
PUEBLO DEL SOL SCHOO	20	36	43	53	65	75						
SIERRA VISTA MIDDLE							80	88				
TOWN AND COUNTRY SCH	20	35	45	53	62	74						
VILLAGE MEADOWS SCHO	23	37	44	55	68	76						
ST DAVID UNIFIED DIS	16	37	42	58	65	69	80	87	9.4	12.4	PHS	12.1
ST DAVID HIGH SCHOOL									9.4	12.4	PHS	12.1
ST DAVID SCHOOL	16	37	42	58	65	69	80	87				
TOMBSTONE UNIFIED DI	17	30	41	54	57	66	72	86	10.2	10.4	11.4	PHS
HUACHUCA CITY SCHOOL	17	30	39	52	55	68	67	85				
TOMBSTONE HIGH SCHOO									10.2	10.4	11.4	PHS
WALTER J MEYER SCHOO	15	30	44	56	66	60	83	92				

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GRADE EQUIVALENT

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
VALLEY UNION HIGH SC									9.6	10.6	12.9	12.0
VALLEY UNION HIGH SC									9.6	10.6	12.9	12.0
WILLCOX UNIFIED DIST	18	34	42	50	59	68	79	88	10.1	10.9	11.0	10.9
WILLCOX ELEMENTARY S	18	34	42	50								
WILLCOX HIGH SCHOOL									10.1	10.9	11.0	10.9
WILLCOX MIDDLE SCHOO					59	68	79	88				

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
COCONINO	21	34	42	52	60	69	78	88	9.0	10.0	11.0	11.6
CHEVELON BUTTE ELEM		37		54		63						
CHEVELON BUTTE SCHOO		37		54		63						
FLAGSTAFF UNIFIED DI	21	35	41	52	61	71	80	89	9.5	10.7	11.5	12.4
CHARLES W SECHRIST S	25	43	46	56	65	75						
COCONINO HIGH SCHOOL										10.5	11.4	12.1
EAST FLAGSTAFF JUNIO							79	87	9.6			
EVA MARSHALL SCHOOL	21	37	45	54	63	72						
FLAGSTAFF HIGH SCHOO										11.0	11.7	12.6
FLAGSTAFF JUNIOR HIG							83	92	9.5			
JOHN Q THOMAS SCHOOL	22	35	42	50	63	70						
LEUPP SCHOOL	26	33	38	46	55	60	67	85				
LURA KINSEY SCHOOL	21	35	41	52	61	72						
NEIL V CHRISTENSEN S	23	38	42	54	62	73						
SEDONA SCHOOL	22	41	41	55	64	79	85	101				
SOUTH BEAVER SCHOOL	20	35	39	53	61	74						
THOMAS R WEITZEL SCH	21	35	41	52	56	67						
W F KILLIP SCHOOL	18	28	37	49	58	69						
FREDONIA/MOCCASIN UN	22	37	37	47	57	65	77	90	8.1	9.0	9.5	11.5
FREDONIA MOCCASIN HI									8.1	9.0	9.5	11.5
FREDONIA MOCCASIN SC	23	40	38	47	57	65	77	90				
MOCCASIN SCHOOL	19	23	35									
GRAND CANYON UNIFIED	27	38	44	55	70	74	90	92	12.0	12.9	PHS	PHS
GRAND CANYON HIGH SC									12.0	12.9	PHS	PHS
GRAND CANYON SCHOOL	27	38	44	55	70	74	90	92				
MAINE CONSOLIDATED E	23	41	52	62	64	79						
MAINE CONSOLIDATED S	23	41	52	62	64	79						
PAGE UNIFIED DISTRIC	19	33	44	51	60	67	79	89	9.9	9.7	11.0	11.5
DESERT VIEW ELEMENTA	19	33	46	51	61							
LAKE VIEW ELEMENTARY	19	33	41	51	60							
PAGE HIGH SCHOOL									9.9	9.7	11.0	11.5
PAGE MIDDLE SCHOOL						67	79	89				
TUBA CITY UNIFIED DI	20	33	44	51	59	65	71	79	7.4	8.2	8.8	9.9
CAMERON PRIMARY	17	28	46									
EAGLE'S NEST MID				51	59	65						

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
GAP/BODEWAY PRIMARY	13	16	24									
TUBA CITY HIGH SCHOO									7.4	8.2	8.8	9.9
TUBA CITY JUNIOR HIG							71	79				
TUBA CITY PRIMARY SC	20	35	44									
WILLIAMS UNIFIED DIS	17	29	39	57	60	75	83	95	9.5	10.9	PHS	12.7
WILLIAMS ELEMENTARY	17	29	39	57	60	75	83	95				
WILLIAMS HIGH SCHOOL									9.5	10.9	PHS	12.7

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
GILA	20	34	42	52	60	68	75	84	8.3	9.6	11.1	11.0
GLOBE UNIFIED DISTRI	19	36	42	54	62	68	76	84	8.3	9.2	10.5	10.2
COPPER RIM ELEM	19	36	42	54								
EAST GLOBE SCHOOL					62	68						
GLOBE HIGH SCHOOL									8.3	9.2	10.5	10.2
GLOBE JR. HIGH SCHOO							76	84				
HAYDEN WINKELMAN UNI	18	39	43	45	59	66	72	78	6.8	9.5	10.7	10.6
HAYDEN HIGH SCHOOL									6.8	9.5	10.7	10.6
LEONOR HAMBLY JUNIOR							72	78				
WINKELMAN INTERMED				45	59	66						
WINKELMAN PRIMARY	18	39	43									
MIAMI UNIFIED DISTRI	20	34	43	52	63	70	79	87	8.1	10.4	11.0	11.9
BULLION PLAZA SCHOOL					63	70						
CENTRAL HEIGHTS SCHO	20	39	48	48								
INSPIRATION ADDITION	21	30	39	49								
LAS LOMAS SCHOOL	19	34	41	60								
LEE KORNEGAY JHS							79	87				
MIAMI HIGH SCHOOL									8.1	10.4	11.0	11.9
PAYSON UNIFIED DISTR	22	36	42	55	64	72	79	90	9.0	9.6	12.1	11.6
JULIA RANDALL SCHOOL	22	36	42	55	64	72						
PAYSON HIGH SCHOOL							79	90	9.0	9.6	12.1	11.6
PINE ELEM DISTRICT	25	35	46	51	63	70	83	81				
PINE SCHOOL	25	35	46	51	63	70	83	81				
RICE ELEM DISTRICT	17	25	35	41	49	60	60	72				
RICE SCHOOL	17	25	35	41	49	60	60	72				
TONTO BASIN ELEM DIS	32	40	32	48	64	56	68	97				
TONTO BASIN SCHOOL	32	40	32	48	64	56	68	97				
YOUNG ELEM DISTRICT	31	32	57	62	73	73	76	82	9.2	8.5	12.3	9.0
YOUNG ELEMENTARY SCH	31	32	57	62	73	73	76	82				
YOUNG TEACHING HIGH									9.2	8.5	12.3	9.0

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
GRAHAM	22	32	44	54	65	74	77	84	8.4	9.5	10.9	11.4
BONITA ELEM DISTRICT	20	38	39	51	57	69	77	83				
BONITA SCHOOL	20	38	39	51	57	69	77	83				
FT THOMAS UNIFIED DI	15	22	38	42	55	63	66	73	7.2	7.4	8.4	7.4
FT THOMAS ELEMENTARY	15	22	38	42	55	63						
FT THOMAS HIGH SCHOO							66	73	7.2	7.4	8.4	7.4
PIMA UNIFIED DISTRIC	24	33	39	50	62	77	74	82	9.4	9.6	9.9	11.5
PIMA ELEMENTARY SCHO	24	33	39	50	62	77	74	82				
PIMA HIGH SCHOOL									9.4	9.6	9.9	11.5
SAFFORD UNIFIED DIST	19	31	45	55	64	73	80	85	8.6	9.5	11.1	11.6
DOROTHY STINSON SCHO	19	31										
LAFE NELSON SCHOOL			45	55	64	73			8.6	9.5	11.1	11.6
SAFFORD JUNIOR HIGH							80	85				
SOLOMONVILLE ELEM DI	18	27	39	54	66	65	78	76				
SOLOMONVILLE SCHOOL	18	27	39	54	66	65	78	76				
THATCHER UNIFIED DIS	28	38	48	58	70	79	76	88	7.9	10.5	12.1	12.4
JACK DALEY PRIMARY S	28	38	48									
THATCHER ELEMENTARY				58	70	79						
THATCHER HIGH SCHOOL										10.5	12.1	12.4
THATCHER MIDDLE SCHO							76	88	7.9			

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
GREENLEE	20	33	43	50	58	68	76	89	8.9	10.2	11.4	12.6
BLUE ELEM DISTRICT			38	47								
BLUE SCHOOL			38	47								
CLIFTON UNIFIED DIST	20	32	37	43	58	67	68	78	8.0	9.9	11.7	PHS
CLIFTON HIGH SCHOOL									8.0	9.9	11.7	PHS
LAUGHARN SCHOOL	20	32	37	43	58	67	68	78				
DUNCAN UNIFIED DISTR	19	30	42	51	59	68	77	90	9.1	9.9	11.1	12.0
DUNCAN HIGH SCHOOL									9.1	9.9	11.1	12.0
DUNCAN SCHOOL	19	30	42	51	59	68	77	90				
EAGLE ELEM DISTRICT	20		39									
EAGLE ELEM SCHOOL	20		39									
MORENCI UNIFIED DIST	20	36	46	55	58	68	78	94	9.6	10.6	11.5	12.7
FAIRBANKS SCHOOL			46	55	58	68	78	94				
MODOC SCHOOL	20	36										
MORENCI HIGH SCHOOL									9.6	10.6	11.5	12.7

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
LA PAZ	19	28	39	45	54	64	73	84	8.7	9.5	11.6	11.4
BICENTENNIAL U H S D									7.8	9.6	11.4	9.2
SALOME HIGH SCHOOL									7.8	9.6	11.4	9.2
BOUSE ELEM DISTRICT	18	37	46	55	72	88	84	104				
BOUSE SCHOOL	18	37	46	55	72	88	84	104				
PARKER UNIFIED DISTR	19	28	39	47	55	64	71	84	9.0	9.4	11.6	11.9
BLAKE SCHOOL	19	30	40									
LE PERA SCHOOL	20	24	37	47	55	64	71	84				
PARKER HIGH SCHOOL									9.0	9.4	11.6	11.9
QUARTZSITE ELEM DIST	14	23	37	41	52	58	68	82				
EHRENBERG SCHOOL	14	23	37	41	52	58	68	82				
SALOME CONSOLIDATED	24	25	35	38	51	67	75	83				
SALOME SCHOOL	24	25	35	38	51	67	75	83				
WENDEN ELEM DISTRICT	22	34	46	47	61	75	85	82				
WENDEN SCHOOL	22	34	46	47	61	75	85	82				

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
MARICOPA	23	36	45	54	63	72	81	91	10.0	10.7	12.4	12.9
AGUA FRIA UNION HS D									9.9	10.1	12.4	PHS
AGUA FRIA UNION HIGH									9.9	10.1	12.4	PHS
AGUILA ELEM DISTRICT	19	31		49	55	54	81	117				
AGUILA SCHOOL	19	31		49	55	54	81	117				
ALHAMBRA ELEM DISTRI	25	39	46	56	64	72	82	91				
ALHAMBRA ELEMENTARY	32	51	53	60	78	81	89	100				
ANDALUCIA SCHOOL	21	38	50	55	61	68	79	87				
BARCELONA SCHOOL	31	43	50	60	63	74	85	91				
CATALINA SCHOOL	32	39	46	56	65	75	93	98				
CORDOVA SCHOOL	22	32	39	54	62	62	72	83				
GRANADA SCHOOL	21	38	42	54	67	68	77	88				
R E SIMPSON SCHOOL				51	58	72	79	89				
SEVILLA SCHOOL	30	40	48	60	64	80	88	99				
WESTWOOD TRADITIONAL	25	35	42									
ARLINGTON ELEM DISTR	23	28	39	52	56	63	75	88				
ARLINGTON SCHOOL	19	29	39	52	54	70	73	90				
HARQUAHALA VALLEY SC	26	27	39	51	57	55	77	86				
AVONDALE ELEM DISTRI	18	31	40	49	57	65	69	81				
AVONDALE JUNIOR HIGH							69	81				
AVONDALE SCHOOL	18	31										
LATTIE COOR SCHOOL					57	65						
PIONEER SCHOOL			40	49								
BALSZ ELEM DISTRICT	18	29	40	50	60	68	77	87				
BALSZ SCHOOL	18	30	40	53	62	67	78	81				
CROCKETT SCHOOL	16	27	38	44	56	68	75	86				
GRIFFITH SCHOOL	17	34	44	51	63	69	80	89				
ORANGEDALE SCHOOL	22	25	37	51	57	66	77	90				
BUCKEYE ELEM DISTRIC	17	30	37	48	53	62	73	77				
BUCKEYE SCHOOL	17	30	37	48	53	62	73	77				
BUCKEYE UNION HIGH S									8.3	8.8	11.1	11:0
BUCKEYE UNION HIGH S									8.3	8.8	11.1	11.0

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COUNTIES DISTRICTS SCHOOLS	GRADES											
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NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
CARTWRIGHT ELEM DIST	24	37	45	54	61	71	80	88				
BYRON A BARRY SCHOOL	22	38	44	52	66	74						
CARTWRIGHT SCHOOL	19	34	45	51	58	71						
CHARLES W HARRIS SCH	27	39	47	55	61	71						
DESERT SANDS JR HIGH							83	91				
ESTRELLA JUNIOR HIGH							78	87				
FRANK BORMAN JR HIGH							77	87				
GLENN L DOWNS SCHOOL	24	31	42	47	58	66						
HEATHERBRAE SCHOOL	25	45	46	58	62	68						
HOLIDAY PARK	23	36	44	56	65	73						
JOHN F LONG SCHOOL	27	37	43	53	61	67						
JUSTINE SPITALNY SCH	23	35	46	51	60	72						
PALM LANE SCHOOL	21	40	46	49	61	74						
PERALATA SCHOOL	24	35	43	53	61	71						
STARLIGHT PARK SCHOO	22	36	43	51	58	66						
SUNSET SCHOOL	19	35	40	56	59	71						
TOMAHAWK SCHOOL	29	40	49	59	67	75						
CAVE CREEK UNIFIED D	23	37	44	59	64	73	79	86	8.1	11.4	PHS	PHS
BLACK MOUNTAIN SCHOO			44	59	64	73						
CACTUS SHADOWS SCHOO							79	86	8.1	11.4	PHS	PHS
CAVE CREEK SCHOOL	23	37										
CHANDLER UNIFIED DIS	25	37	47	56	64	76	82	93	9.7	10.5	12.3	12.9
ANDERSON	29	42	52	61	70	77						
CHANDLER HIGH SCHOOL										10.5	12.3	12.9
CHANDLER JUNIOR HIGH							80	90	9.2			
DENVER SCHOOL	18	30	41	46	52	65						
ERIE SCHOOL	26	36	44	56	64	75						
FRYE SCHOOL	19	32	43	53	58	72						
GALVESTON SCHOOL	22	34	51	55	62	70						
HARTFORD SCHOOL	26	39	50	57	67	79						
HUMPHREY ELEMENTARY	28	40	43	59	67	81						
KNOX SCHOOL	24	38	47	57	65	81						
WEINBERG SCHOOL	31	38	45	53	69	74						
WILLIS JUNIOR HIGH							84	95	10.1			
CREIGHTON ELEM DISTR	21	38	44	52	63	72	81	89				
CREIGHTON SCHOOL							81	89				
LARRY C. KENNEDY SCH	22	43	42	54	62	69						
LOMA LINDA SCHOOL	22	37	47	50	61	71						
MONTE VISTA SCHOOL	21	36	40	52	62	69						

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
PAPAGO SCHOOL	18	36	42	50	63	72						
SQUAW PEAK SCHOOL	27	41	49	60	70	82						
WILLIAM T MACHAN SCH	15	34	44	50	59	69						
DEER VALLEY UNIFIED	22	37	48	54	64	73	81	93	9.9	10.5	12.3	PHS
BARRY GOLDWATER H S									9.2	10.1		
BELLAIR SCHOOL	22	37	47	54	62	74						
CONSTITUTION SCHOOL	22	38	49	54	62	71						
DEER VALLEY HIGH SCH									10.6	10.7	12.3	PHS
DEER VALLEY JUNIOR H							80	92				
DESERT SKY JUNIOR HI							82	93				
DESERT WINDS SCHOOL	22	38	51	58	66	74						
GREENBRIER ELEMENTAR	24	37	49	51	68	75						
MIRAGE SCHOOL	24	39	50	54	64	74						
MOUNTAIN SHADOWS	23	40	44	55	61	74						
NEW RIVER SCHOOL	19	34	44	52	58	66						
PARK MEADOWS SCHOOL	19	34	44	54	65	73						
SUNRISE SCHOOL	23	39	50	54	67	74						
VILLAGE MEADOWS SCHO	23	33	45	55	62	74						
DYSART UNIFIED DISTR	19	29	42	48	57	62	74	76	7.5	8.8	10.0	11.4
DYSART HIGH SCHOOL									7.5	8.8	10.0	11.4
DYSART JR. HIGH SCHO							74	76				
EL MIRAGE SCHOOL	14	24	39	46	53	58						
LUKE SCHOOL	24	31	46	55	63	73						
SURPRISE SCHOOL	16	30	42	44	57	57						
FOUNTAIN HILLS ELEM	23	40	49	56	64	82	96	99				
FOUR PEAKS ELEMENTAR	24	43	48	54	62	83	96	99				
MCDOWELL MTN ELEMENT	22	38	50	59	65	81						
FOWLER ELEM DISTRICT	20	30	45	52	57	68	78	87				
FOWLER SCHOOL				52	57	68	78	87				
SUNRIDGE SCHOOL	20	30	45									
GILA BEND UNIFIED DI	15	26	37	46	51	63	69	71	8.8	9.6	10.2	12.0
GILA BEND HIGH SCHOO							69	71	8.8	9.6	10.2	12.0
GILA BEND SCHOOL	15	26	37	46	51	63						
GILBERT UNIFIED DIST	25	41	47	57	66	78	88	94	10.5	11.2	PHS	PHS
GILBERT HIGH SCHOOL										11.2	PHS	PHS
GILBERT JUNIOR HIGH								94	10.5			
GILBERT SCHOOL	23	41	49	56	66	78						

ARIZONA PUPIL ACHIEVEMENT TESTING

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
GREENFIELD SCHOOL	26	40	47	58	65	81						
MESQUITE ELEMENTARY	29	41	47	58	65	79						
MESQUITE JUNIOR HIGH							88					
NEELY SCHOOL	25	45	45	56	64	75						
PATTERSON SCHOOL	24	39	48	56	70	78						
GLENDALE ELEM DISTRI	22	34	43	53	61	71	80	91				
BICENTENNIAL SCHOOL	22	31	45	53	63	75	80	96				
DON MENSENDICK SCHOO					61	68	77	88				
GLENDALE AMERICAN SC	27	39	44	60	65	78	85	94				
GLENDALE LANDMARK	17	29	42	48	53	60	75	90				
GLENN F BURTON SCHOO	27	42	41	52	56	66	81	82				
HAROLD W SMITH SCHOO	17	29	42	46	56	63	71	83				
HORIZON SCHOOL	31	40	46	58	69	76	92	96				
ISAAC E IMES SCHOOL	18	30	37	49	54	65	73	81				
MELVIN E SINE SCHOOL	19	33	47	60	73	78	87	97				
WILLIAM C JACK SCHOO	29	38	43	54								
GLENDALE UNION HIGH									10.2	10.9	12.6	PHS
ALTERNATIVE CAMPUS									6.8	10.0	10.4	10.6
APOLLO HIGH SCHOOL									11.1	11.6	12.9	PHS
CORTEZ HIGH SCHOOL									9.1	10.7	12.6	12.9
GLENDALE HIGH SCHOOL									8.9	9.5	11.4	11.4
GREENWAY HIGH SCHOOL									10.1	10.7	12.7	12.7
INDEPENDENCE HIGH SC									9.6	10.0	11.2	12.0
MOON VALLEY HIGH SCH									10.7	11.4	12.9	PHS
SUNNYSLOPE HIGH SCHO									10.5	11.7	PHS	PHS
THUNDERBIRD HIGH SCH									10.9	10.7	12.9	12.4
WASHINGTON HIGH SCHO									10.6	11.1	12.3	PHS
HIGLEY ELEM DISTRICT	20	33	35	57	59	64	79	92				
HIGLEY SCHOOL	20	33	35	57	59	64	79	92				
HORSE MESA ACCOM SCH		25	35				60	71	6.9	6.4	7.9	
ESTRELLA MOUNTAIN HI									6.9	6.4	7.9	
HORSE MESA ACCOM SCH		25	35				60	71				
ISAAC ELEM DISTRICT	17	29	38	46	56	63	70	73				
ALTA E BUTLER SCHOOL	18	29	36	46	54	54						
ISAAC JUNIOR HIGH SC							70	73				
J B SUTTON SCHOOL	17	28	34	42	50	61						
JOSEPH ZITO SCHOOL	19	30	38	49	60	59						
MITCHELL SCHOOL	17	30	43	48	58	73						

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
P T COE SCHOOL	16	30	40	49	59	66						
KYRENE ELEM DISTRICT	23	38	46	55	65	75	84	93				
C I WAGGONER SCHOOL	23	38	43	55	66	72						
KYRENE DE LA COLINA	25	40	48	54	70	76						
KYRENE DE LA PALOMA	21	36	45	55	64	71						
KYRENE DE LAS LOMAS	23	37	48	56	66	76						
KYRENE DE LOS NINOS	21	38	45	53	63	74						
KYRENE DEL CIELO	28	40	50	57	68	80						
KYRENE DEL NORTE	22	39	43	51	65	75						
KYRENE DEL PUEBLO							86	94				
KYRENE JUNIOR HIGH S							83	92				
LAVEEN ELEM DISTRICT	16	26	38	45	56	66	69	77				
LAVEEN SCHOOL	18	27	40	45	56	67	67	79				
MC CASH SCHOOL	14	26	34	44	57	64	71	76				
LIBERTY ELEM DISTRIC	18	34	42	47	55	63	74	82				
LIBERTY SCHOOL	18	34	42	47	55	63	74	82				
LITCHFIELD ELEM DIST	28	40	51	57	65	75	87	99				
LITCHFIELD SCHOOL	30	44	53	60	69	78	91	105				
SCOTT LIBBY SCHOOL	24	34	48	53	60	72	82	90				
LITTLETON ELEM DISTR	20	33	38	47	58	62	69	82				
LITTLETON SCHOOL	20	33	38	47	58	62						
UNDERDOWN JUNIOR HIG							69	82				
MADISON ELEM DISTRIC	27	43	49	61	67	78	87	99				
MADISON HEIGHTS SCHO	25	41	51	64								
MADISON MEADOWS SCHO					69	82	90	103				
MADISON NO 1 SCHOOL					68	78	87	99				
MADISON PARK II SCHO	21	37	46	54	61	72	81	93				
MADISON RICHARD C SI	31	47	52	62								
MADISON ROSE LANE SC	29	42	47	64								
MESA UNIFIED DISTRIC	24	37	46	56	65	76	84	94	10.7	11.2	12.7	PHS
ADAMS SCHOOL	21	34	43	53	59	68						
ALMA SCHOOL	28	41	50	59	69	79						
CARSON JUNIOR HIGH S							81	92	9.5			
CRISMON SCHOOL	27	41	48	60	70	78						
DOBSON HIGH SCHOOL										12.0	PHS	PHS
EDISON SCHOOL	22	35	44	54	64	74						

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
EISENHOWER SCHOOL	22	35	42	52	61	70						
EMERSON SCHOOL	25	37	48	50	65	71						
FIELD SCHOOL	24	37	48	57	71	81						
FRANKLIN SCHOOL	29	47	53	66	76	85						
FREMONT JUNIOR HIGH							80	89	9.9			
HALE SCHOOL	26	38	49	60	70	83						
HAWTHORNE SCHOOL	24	36	45	54	67	76						
HENDRIX JUNIOR HIGH							88	96	11.0			
HIGHLAND SCHOOL	20	42	45	56	67	72						
HOLMES SCHOOL	21	31	41	48	60	74						
IRVING SCHOOL	27	38	48	58	65	77						
JEFFERSON SCHOOL	23	33	40	50	59	68						
JOHNSON SCHOOL	27	37	44	59	67	77						
JORDAN SCHOOL	29	44	54	62	73	83						
KELLER SCHOOL	23	34	44	55	64	75						
KINO JUNIOR HIGH SCH							84	95	11.5			
LEHI SCHOOL	25	35	48	58	64	69						
LINCOLN SCHOOL	20	35	39	49	55	68						
LINDBERGH SCHOOL	22	36	46	55	66	76						
LONGFELLOW SCHOOL	20	34	42	50	63	68						
LOWELL SCHOOL	19	36	44	48	59	64						
MACARTHUR SCHOOL	29	44	50	60	70	82						
MESA HIGH SCHOOL										10.9	12.0	12.0
MESA JUNIOR HIGH SCH							79	87	9.9			
MESA VISTA							56	69	5.9	8.1	8.6	9.2
MESA VO-TECH										8.1	9.4	10.1
MOUNTAIN VIEW HIGH S										11.6	PHS	PHS
POMEROY SCHOOL	26	40	47	57	66	77						
POSTON JUNIOR HIGH S							88	99	11.9			
POWELL JUNIOR HIGH S							82	90	9.9			
REDBIRD SCHOOL	22	31	47	52	62	75						
RHODES JUNIOR H.S.							88	97	11.9			
ROBSON SCHOOL	25	41	48	61	69	76						
ROOSEVELT SCHOOL	23	37	50	58	69	81						
SALK SCHOOL	22	35	42	54	60	73						
SANDRA DAY O'CONNER	23	38	49	56	64	80						
SIRRINE SCHOOL	29	42	52	57	69	78						
STEVENSON SCHOOL	20	28	45	52	56	66						
TAFT SCHOOL	23	36	40	48	60	67						
TAYLOR JUNIOR HIGH S							87	98	11.4			
WASHINGTON SCHOOL	31	43	54	61	72	85						
WEBSTER SCHOOL	20	30	45	52	59	71						
WESTWOOD HIGH SCHOOL										10.7	12.7	PHS

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
WHITMAN SCHOOL	23	32	43	53	63	76						
WHITTIER SCHOOL	23	34	48	52	65	74						
MOBILE ELEM DISTRICT	31											
MOBILE ELEMENTARY SC	31											
MORRISTOWN ELEM DIST	20	39	43	41	61	72	74	84				
MORRISTOWN ELEMENTAR	20	39	43	41	61	72	74	84				
MURPHY ELEM DISTRICT	17	25	37	45	54	63	68	79				
ALFRED F. GARCIA SCH	16	25	39	48	50	59	65	76				
ARTHUR M. HAMILTON S	12	23	30	39	56	63	67	76				
JACK L. KUBAN SCHOOL	17	27	35	44	58	68	69	83				
WILLIAM R. SULLIVAN	20	27	41	49	54	63	73	80				
NADABURG ELEM DISTRI	21	29	40	40	62	66	75	80				
NADABURG SCHOOL	21	29	40	40	62	66	75	80				
OSBORN ELEM DISTRICT	19	34	43	55	64	72	81	93				
CLARENDON SCHOOL					68	70	80	97				
ENCANTO SCHOOL	21	35	43	58								
GRANDVIEW SCHOOL					64	77	84	96				
LONGVIEW SCHOOL 1	16	28	40	51								
LONGVIEW SCHOOL 2					61	67	78	87				
SOLANO SCHOOL	21	39	45	55								
PALO VERDE ELEM DIST	19	26	36	44	58	64	80	85				
PALO VERDE SCHOOL	19	26	36	44	58	64	80	85				
PALOMA ELEM DISTRICT	28	24	29	40	58	61	72	89				
KISER ELEM.	28	24	29	40	58	61	72	89				
PARADISE VALLEY UNIF	24	40	48	57	66	76	84	93	10.4	11.0	12.4	PHS
DESERT SHADOWS SCHO	29	48	52	62	69	81						
ECHO MOUNTAIN	21	38	48	54	64	69						
MERCURY MINE SCHOOL	32	45	50	58	71	79						
SUNRISE MIDDLE							83	92				
AIRE LIBRE SCHOOL	22	37	44	53	64	73						
ARROWHEAD SCHOOL	22	33	43	56	62	73						
CAMPO BELLO SCHOOL	24	35	48	55	65	72						
DESERT COVE	26	44	51	60	67	81						
DESERT SHADOWS MIDDL							88	96				
DESERT SPRINGS	26	43	50	60	68	78						

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
FAGLE RIDGE ELEM	21	38	45	57	61	70						
GOLD DUST SCHOOL	19	40	47	55	64	76						
GREENWAY MIDDLE SCHO							82	88				
HORIZON HIGH SCHOOL									10.1	11.9	PHS	PHS
INDIAN BEND SCHOOL	24	39	47	58	65	75						
LARKSPUR SCHOOL	24	40	43	56	63	73						
LIBERTY SCHOOL	28	44	50	56	72	80						
PALOMINO SCHOOL	20	35	45	53	58	67						
PARADISE VALLEY HIGH									10.0	10.2	11.5	12.9
POLARIS SCHOOL									7.0	7.6	9.2	10.6
SANDPIPER SCHOOL	30	46	50	59	70	80						
SHADOW MOUNTAIN HIGH									11.1	11.1	12.6	PHS
SHEA MIDDLE SCHOOL							85	94				
VILLAGE VISTA SCHOOL	28	44	49	60	64	76						
PENDERGAST ELEM DIST	22	34	44	52	59	68	82	86				
DESERT HORIZON SCHOO	23	38	46	50	59	69	85	87				
PENDERGAST SCHOOL	22	32	39	49	59	63	80	86				
VILLA DE PAZ	20	34	42	57	58	69						
WESTWIND SCHOOL	22	31	45	53	59	69	79	84				
PEORIA UNIFIED DISTR	24	38	47	56	65	75	85	96	10.1	10.4	12.3	12.1
ALTA LOMA SCHOOL	21	37	45	53	62	72	83	97				
CACTUS HIGH SCHOOL									10.6	10.6	12.6	12.3
COPPERWOOD SCHOOL	26	42	49	56	70	75	84	93				
COTTON BOLL ELEM	22	40	46	56	61	74	84	96				
DESERT PALMS SCHOOL	25	38	46	54	64	77	87	95				
DESERT VALLEY ELEMEN	25	40	50	62	69	80	87					
FOOTHILLS SCHOOL	24	37	47	57	64	75	82	95				
HERITAGE SCHOOL	27	42	46	55	65	80	86	96				
IRA A MURPHY SCHOOL	23	37	48	58	68	73	84	94				
IRONWOOD HIGH SCHOOL									10.5	10.7		
KACHINA SCHOOL	27	40	49	58	66	73	88	98				
OAKWOOD	28	40	47	55	64	79	86	103				
PEORIA ELEMENTARY	20	36	45	54	58	70	80	90				
PEORIA HIGH SCHOOL									9.2	10.0	12.0	12.1
PIONEER SCHOOL	24	33	46	54	65	78	89	102				
SUNDANCE SCHOOL	25	37	47	57	64	72	85	96				
PHOENIX ELEM DISTRIC	18	28	37	45	54	64	70	77				
ANN OTT SCHOOL	17	25	41	43	51	67						
BETHUNE SCHOOL	20	26	32	40	48	62	70	76				
CAPITOL SCHOOL	19	31	41	50	58	71						

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
DUNBAR SCHOOL	15	22	28	35	58	53						
EDISON SCHOOL	17	28	41	39	49	56	68	78				
EMERSON SCHOOL	22	32	38	46	55	68						
GARFIELD SCHOOL	14	29	39	44	51	62						
KENILWORTH SCHOOL	15	24	37	50	51	65						
LOWELL SCHOOL	15	26	34	49	51	60						
MAIE BARTLETT HEARD	30	35	49	53	62	68	72	79				
SHAW SCHOOL	15	28	27	38	49	60						
SYLVESTRE HERRERA SC	14	23	38	47	62	64	69	74				
WHITTIER SCHOOL	20	37	35	47	65	74						
PHOENIX UNION HIGH S									8.7	9.7	11.0	11.4
ALHAMBRA E.S.O.									6.6	10.5	10.9	9.5
ALHAMBRA HIGH SCHOOL									9.2	10.4	11.9	12.1
B.A.C.E.									6.1	7.8	8.5	9.2
C.E.C.									7.3	8.0	8.2	
CAMELBACK HIGH SCHOO									9.6	10.9	12.1	12.6
CARL HAYDEN HIGH SCH									9.4	9.5	10.2	11.0
CENTRAL HIGH SCHOOL									9.6	10.2	12.7	12.6
CYESIS - EAST									7.2	8.1	9.4	9.2
CYESIS - WEST									7.0	10.2	11.9	PHS
HOME BOUND									7.4	8.5	9.1	9.7
MARYVALE HIGH SCHOOL									8.9	9.6	11.0	12.0
NORTH HIGH SCHOOL									8.5	9.2	10.7	11.2
SOUTH MOUNTAIN E.S.O									5.3	7.3	11.9	8.0
SOUTH MOUNTAIN HIGH									7.1	8.7	9.4	9.6
TREVOR BROWNE HIGH S									8.6	9.9	10.5	11.1
QUEEN CREEK UNIFIED	17	29	40	46	59	64	69	76	8.6	8.6	8.4	
QUEEN CREEK ELEMENTA	17	29	40	46	59	64						
QUEEN CREEK HIGH SCH									8.6	8.6	8.4	
QUEEN CREEK JR HIGH							69	76				
RIVERSIDE ELEM DISTR	15	27	35	46	53	57	74	82				
RIVERSIDE SCHOOL	15	27	35	46	53	57	74	82				
ROOSEVELT ELEM DISTR	16	26	34	43	51	60	71	79				
C J JORGENSEN SCHOOL	15	27	34	43	48	61	72	81				
C O GREENFIELD SCHOO				42	52	59	70	79				
IGNACIO CONCHOS SCHO	16	23	33	42	51	60	71	81				
JOHN F KENNEDY SCHOO	15	25	36									
JOHN R DAVIS SCHOOL	17	25	33	41	49	58	74	83				
MARTIN LUTHER KING J	17	25	34	45								

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
PALMDALE SCHOOL	13	23	28	37	44	58	67	83				
PERCY L JULIAN SCHOO					52	58	65	80				
RIO VISTA SCHOOL	14	27	33	38	48	52	67	64				
ROSE LINDA SCHOOL	14	24	33	49	51	56	68	72				
SIERRA VISTA SCHOOL	15	29	34	46	52	71	70	74				
SOUTH SCHOOL	21	29	33	40	53	58	71	84				
SOUTHWEST SCHOOL	21	34	36	50	57	76	74	87				
SUNLAND SCHOOL	18	24	33	43	50	58	73	76				
T G BARR SCHOOL	13	22	31	39	48	56	69	76				
V H LASSEN SCHOOL	15	24	32	41	52	60	72	82				
VALLEY VIEW SCHOOL	17	32	37	48	58	62	75	86				
RUTH FISHER ELEM DIS	21	38	45	55	63	65	78	82				
RUTH FISHER SCHOOL	21	38	45	55	63	65	78	82				
SCOTTSDALE UNIFIED D	27	42	51	59	68	79	89	100	12.1	12.3	PHS	PHS
ALTERNATIVE HIGH SCH									7.2	8.1	8.6	9.9
ANASAZI SCHOOL	28	44	53	58	68	79						
ARCADIA HIGH SCHOOL									12.1	PHS	PHS	PHS
CHAPARRAL HIGH SCHOO									PHS	PHS	PHS	PHS
CHEROKEE SCHOOL	31	43	53	63	71							
COCHISE SCHOOL	33	46	52	63	72							
COCOPAH MIDDLE SCHOO						83	95	107				
CORONADO HIGH SCHOOL									11.1	10.7	PHS	12.7
HOHOKAM SCHOOL	22	40	47	56	63	75						
HOPI SCHOOL	29	43	54	63	73	80						
INGLESIDE MIDDLE SCH							91	100				
KIVA SCHOOL	30	45	55	62	72	82						
MOHAVE MIDDLE SCHOOL							86	98				
NAVAJO SCHOOL	25	38	47	54	61	76						
PIMA SCHOOL	30	43	51	59	66	71						
PUEBLO SCHOOL	26	44	47	59	66	75						
SAGUARO HIGH SCHOOL									12.1	12.3	PHS	PHS
SUPAI SCHOOL							84	93				
TAVAN SCHOOL	26	39	52	57	66	78						
TONALEA SCHOOL	24	40	46	58	64	72						
TONTO SCHOOL	21	36	47	57	68	72						
YAVA PAI SCHOOL	24	37	49	51	64	79						
SENTINEL ELEM DISTRI	23	25	40	34	61	63	71	80				
SENTINEL SCHOOL	23	25	40	34	61	63	71	80				

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
TEMPE ELEM DISTRICT	21	33	44	53	61	72	80	90				
AGUILAR SCHOOL	21	39	44	53	60	74						
ARREDONDO SCHOOL	23	34	48	60	60	76						
BROADMOR SCHOOL	26	39	48	55	66	75						
BUSTOZ SCHOOL	24	37	52	57	68	74						
CARMINATI SCHOOL	21	37	43	53	64	74						
CONNOLLY JUNIOR HIGH							79	90				
CURRY SCHOOL	25	35	46	54	63	76						
EVANS SCHOOL	19	28	40	49	59	68						
FEES JUNIOR HIGH SCH							82	92				
FRANK SCHOOL	18	29	42	52	57	66						
FULLER SCHOOL	26	39	47	55	67	77						
GILLILAND JUNIOR HIG							78	88				
HOLDEMAN SCHOOL	19	30	42	53	61	73						
HUDSON SCHOOL	21	38	51	60	62	79						
LAIRD SCHOOL	20	32	40	52	56	72						
MCKEMY JUNIOR HIGH S							83	92				
MEYER SCHOOL	18	35	44	56	63	74						
NEVITT SCHOOL	18	31	43	50	61	69						
ROVER SCHOOL	25	36	49	61	65	76						
SCALES SCHOOL	15	23	40	47	59	68						
THEW SCHOOL	18	26	36	46	51	61						
WOOD SCHOOL	21	34	43	49	58	68						
TEMPE UNION HIGH SCH									10.6	11.5	PHS	PHS
CORONA DEL SOL HIGH									10.7	11.7	PHS	PHS
EVENING SCHOOL												11.6
MARCOS DE NIZA HIGH									10.5	11.4	12.7	PHS
MCCLINTOCK HIGH SCHO									10.9	11.5	PHS	PHS
TEMPE HIGH SCHOOL									10.4	11.4	PHS	12.6
TOLLESON ELEM DISTRI	16	33	37	45	52	63	70	77				
TOLLESON JUNIOR HIGH					52	63	70	77				
UNIT I SCHOOL	16	33	37	45								
TOLLESON UNION HIGH									8.5	10.0	11.4	11.5
TOLLESON UNION HIGH									8.5	10.0	11.4	11.5
UNION ELEM DISTRICT	24	26	37	45	57	58	67	72				
UNION SCHOOL	24	26	37	45	57	58	67	72				

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
WASHINGTON ELEM DIST	24	37	46	54	65	75	84	93				
ACACIA SCHOOL	28	38	50	56	69	72						
ALTA VISTA SCHOOL	21	44	51	58	67	76						
ARROYO SCHOOL	26	44	48	55	63	71						
CACTUS WREN SCHOOL	24	39	46	51	61	71						
CHAPARRAL SCHOOL	22	37	46	55	61	75						
CHOLLA SCHOOL							85	95				
DESERT FOOTHILLS SCH							84	94				
DESERT VIEW SCHOOL	19	38	45	48	63	74						
IRONWOOD SCHOOL	25	38	47	59	73	81						
JOHN JACOBS SCHOOL	23	37	46	61	64	72						
LAKEVIEW SCHOOL	25	39	43	51	62	78						
LOOKOUT MOUNTAIN SCH	25	41	52	56	73	79						
MANZANITA SCHOOL	28	37	48	58	61	71						
MARYLAND SCHOOL	23	34	40	50	58	70						
MOON MOUNTAIN SCHOOL	24	35	48	54	65	73						
MOUNTAIN SKY							89	97				
MOUNTAIN VIEW SCHOOL	19	32	39	54	58	67						
OCOTILLO SCHOOL	22	34	45	50	57	74						
ORANGEWOOD SCHOOL	24	35	43	52	57	74						
PALO VERDE SCHOOL							82	93				
RICHARD E MILLER SCH	25	38	47	58	71	78						
ROADRUNNER SCHOOL	28	40	46	53	65	75						
ROYAL PALM SCHOOL							80	88				
SAHUARO SCHOOL	27	37	45	53	62	72						
SENITA SCHOOL	27	38	44	54	65	79						
SHAW BUTTE SCHOOL	20	33	44	54	61	69						
SUNBURST SCHOOL	25	35	45	52	64	78						
SUNNYSLOPE SCHOOL	22	33	40	46	61	65						
SUNSET SCHOOL	23	38	47	56	67	76						
SWEETWATER SCHOOL	30	37	49	57	64	76						
TUMBLEWEED SCHOOL	29	36	45	59	70	75						
WASHINGTON SCHOOL	27	37	44	53	68	76						
WICKENBURG UNIFIED D	23	34	44	52	61	73	78	87	9.4	9.9	12.9	PHS
MACLENNAN SCHOOL	23	34	44									
VULTURE PEAK SCHOOL				52	61	73	78	87				
WICKENBURG HIGH SCHO									9.4	9.9	12.9	PHS
WILLIAMS AFB ACCOM S	21	42	48	62	69	78	85	95				
WILLIAMS AFB ACC SCH	21	42	48	62	69	78	85	95				

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
WILSON ELEM DISTRICT	16	27	39	49	54	63	67	78				
WILSON ELEMENTARY SC	16	27	39	49	54	63	67	78				

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
MOHAVE	22	35	43	53	62	70	80	87	9.1	10.1	11.6	12.3
BULLHEAD CITY ELEM D	19	32	42	53	65	71	80	85				
BULLHEAD CITY INTERM			42	53	65	71						
BULLHEAD CITY JR HIG							80	85				
BULLHEAD PRIMARY SCH	19	32										
CHLORIDE ELEM DISTRI	16	29	41	46	63	56	74	97				
MOUNT TIPTON SCHOOL	16	29	41	46	63	56	74	97				
COLORADO CITY UNIFIE	22	33	42	48	58	68	79	95	9.0	10.6	12.4	PHS
COLORADO CITY SCHOOL	22	33	42	48	58	68	79	95	9.0	10.6	12.4	PHS
HACKBERRY ELEM DISTR	34	23				70						
HACKBERRY SCHOOL	34	23				70						
KINGMAN ELEM DISTRIC	23	37	43	54	63	70	80	86				
HUALAPAI SCHOOL	25	37	47	58	63	72						
KINGMAN JUNIOR HIGH							80	86				
LA SENITA SCHOOL	23	35	42	58	63	66						
MANZANITA SCHOOL	22	41	45	54	65	74						
PALO CHRISTI SCHOOL	21	34	38	47	60	67						
LAKE HAVASU UNIFIED	26	39	47	56	64	73	84	91	10.0	10.7	12.6	12.6
HAVASUPAI SCHOOL	22	37	42	52	60	73						
LAKE HAVASU HIGH SCH									10.0	10.7	12.6	12.6
LAKE HAVASU JUNIOR H							84	91				
NAUTILUS SCHOOL	27	38	45	56	67	69						
ORO GRANDE SCHOOL	28	34	50	53	58	78						
SMOKETREE SCHOOL	23	42	47	54	64	71						
STARLINE SCHOOL	32	43	49	61	66	74						
LITTLEFIELD ELEM DIS	16	28	37	40	56	53						
LITTLEFIELD SCHOOL	16	28	37	40	56	53						
MOHAVE UNION HIGH SC									8.8	9.9	11.1	11.7
KINGMAN HIGH SCHOOL									8.9	10.4	11.1	11.5
MOHAVE HIGH SCHOOL									8.8	9.2	11.1	12.0
MOHAVE VALLEY ELEM D	16	30	37	49	58	66	76	81				
MOHAVE VALLEY SCHOOL	16	30	37	49	58	66	76	81				

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
OWENS WHITNEY ELEM D	24	27	41	41	57		63	91				
OWENS WHITNEY SCHOOL	24	27	41	41	57		63	91				
PEACH SPRINGS ELEM D	15	24	40	43	44	55	69	85				
PEACH SPRINGS SCHOOL	15	24	40	43	44	55	69	85				
VALENTINE ELEM DISTR	31	42	48	59	68	77	99					
VALENTINE SCHOOL	31	42	48	59	68	77	99					
YUCCA ELEM DISTRICT				51		76						
YUCCA SCHOOL				51		76						

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
NAVAJO	20	32	41	48	57	66	75	84	8.2	9.2	10.9	11.2
BLUE RIDGE UNIFIED	21	37	48	53	62	71	84	91	8.9	10.9	12.0	12.1
BLUE RIDGE ELEMENTAR	21	37	48									
BLUE RIDGE HIGH SCHO									8.9	10.9	12.0	12.1
BLUE RIDGE JUNIOR HI							84	91				
BLUE RIDGE MIDDLE				53	62	71						
CEDAR UNIFIED DISTRI	18	21	29	36	45	48	58	65	5.9			
JEDDITO SCHOOL	18	20	36	42	49	51	65	70	6.1			
PINON SCHOOL	10	21	27	31	44	47	54	62	5.9			
HOLBROOK UNIFIED	21	34	42	53	60	69	79	84	8.3	9.0	10.7	10.5
HOLBROOK HIGH SCHOOL									8.3	9.0	10.7	10.5
HOLBROOK JUNIOR HIGH						69	79	84				
HULET SCHOOL	21	37	42	52	58							
PARK SCHOOL	21	31	42	53	62							
WOODRUFF SCHOOL	18	38										
JOSEPH CITY UNIFIED	27	39	44	51	57	72	74	84	9.4	10.6	PHS	PHS
JOSEPH CITY ELEMENTA	27	39	44	51	57	72						
JOSEPH CITY HIGH SCH							74	84	9.4	10.6	PHS	PHS
KAYENTA UNIFIED DIST	18	26	41	46	59	65	72	84	7.8	7.9	9.5	9.2
KAYENTA INTERMEDIATE			41	46	59							
KAYENTA MIDDLE SCHOO						65	72	84				
KAYENTA PRIMARY SCHO	18	26										
MONUMENT VALLEY HIGH									7.8	7.9	9.5	9.2
SHOW LOW UNIFIED DIS	23	36	42	51	59	69	78	87	10.5	10.4	11.5	12.4
SHOW LOW HIGH SCHOOL									10.5	10.4	11.5	12.4
SHOW LOW JUNIOR HIGH						69	78	87				
SHOW LOW SCHOOL	23	36	42	51	59	72						
SNOWFLAKE UNIFIED DI	21	33	42	52	60	69	77	88	8.7	10.2	11.6	12.7
CAPPS SCHOOL	24	41	45	53	68	70	75	84				
HIGHLAND PRIMARY SCH	21	32	42						8.7	10.2	11.6	12.7
SNOWFLAKE INTERMEDIA				53	62	70						
SNOWFLAKE JUNIOR HIG							77	89				
TAYLOR SCHOOL	19	31	41	49	52	66						

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
WHITERIVER UNIFIED D	13	20	33	39	47	60	64	76	6.6	6.9	9.0	8.2
ALCHESAY HIGH SCHOOL									6.6	6.9	9.0	8.2
SEVEN MILE SCHOOL	13	18	31	40	44	56						
WHITERIVER JUNIOR HI							64	76				
WHITERIVER SCHOOL	14	21	34	39	49	62						
WINSLOW UNIFIED DIST	23	36	45	53	62	67	81	90	8.4	9.5	10.7	12.0
BONNIE BRENNAN SCHOO	19	36	44	52	66	67						
JEFFERSON SCHOOL	25	38	45	55	61	65						
WASHINGTON SCHOOL	25	35	46	52	61	69						
WINSLOW HIGH SCHOOL									8.4	9.5	10.7	12.0
WINSLOW JUNIOR HIGH							81	90				

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
PIMA	22	35	44	53	62	71	79	89	9.2	10.5	12.0	12.6
AJO UNIFIED DISTRICT	21	28	46	53	62	68	79	80	8.6	8.5	11.0	11.5
AJO HIGH SCHOOL									8.6	8.5	11.0	11.5
AJO SCHOOL	21	28	46	53	62	68	79	80				
AMPHITHEATER UNIFIED	25	38	49	56	65	75	83	91	10.6	11.5	12.9	PHS
AMPHITHEATER EVENING									6.4	7.0	8.9	9.0
AMPHITHEATER HIGH SC									10.1	11.0	12.7	PHS
AMPHITHEATER JR HIGH							79	85				
CANYON DEL ORO HIGH									11.1	12.4	PHS	PHS
CORONADO SCHOOL	28	39	52	56	63	70						
E C NASH SCHOOL	22	32	43	49	55	72						
F O HOLAWAY SCHOOL	26	40	50	58	66	74						
HELEN KEELING SCHOOL	17	30	44	53	60	71						
L M PRINCE SCHOOL	25	35	42	53	60	66						
LAWRENCE W CROSS JR							87	97				
LULU WALKER SCHOOL	27	37	47	53	61	74						
MARION DONALDSON SCH	26	40	51	59	69	78						
MESA VERDE SCHOOL	25	40	53	59	71	80						
RIO VISTA ELEMENTARY	21	42	48	53	66	76						
WINIFRED HARELSON SC	27	43	51	61	71	83						
CATALINA FOOTHILLS U	30	45	53	61	71	81	86	101				
MANZANITA SCHOOL	27	47	52	62	71	79						
ORANGE GROVE JR HIGH							86	101				
SUNRISE DRIVE SCHOOL	33	44	54	60	71	82						
CONTINENTAL ELEM DIS	23	40	43	46	83	80	86	94				
CONTINENTAL SCHOOL	23	40	43	46	83	80	86	94				
FLOWING WELLS UNIFIE	22	36	45	55	64	74	80	90	8.9	9.5	10.9	11.7
FLOWING WELLS HIGH S									9.0	9.5	10.9	11.7
FLOWING WELLS JR HIG						74	80	90				
HOMER DAVIS SCHOOL	25	35	48	54	64							
INSCAPE SCHOOL									6.1	9.4		
LAGUNA SCHOOL	21	30	40	53	68							
ROBERT RICHARDSON SC	21	40	49	59	66							
WALTER DOUGLAS SCHOO	20	37	43	50	59							
INDIAN OASIS-BABOQUI	15	27	31	42	49	58	68	72	6.4	7.4	8.2	8.6
BABOQUIVARI JR HIGH							68	72				

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NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
BABOQUIVARI SR HIGH									6.4	7.4	8.2	8.6
INDIAN OASIS PRIMARY	15	27	31									
TOPAWA MIDDLE				42	49	58						
MARANA UNIFIED DISTR	23	38	46	55	62	72	81	93	10.4	11.0	12.6	12.1
BUTTERFIELD SCHOOL	26	42	49	56								
DEGRAZIA SCHOOL	24	37	46	61								
DESERT WINDS SCHOOL	23	42	45	51	60							
ESTES SCHOOL	18	29	37	51	58							
MARANA HIGH SCHOOL									10.0	11.0	12.6	12.1
MARANA JR HIGH SCHOO						70	76	93				
MOUNTAIN VIEW SCHOOL							83	93	10.7			
ROADRUNNER SCHOOL	21	38	45	48	56							
THORNYDALE SCHOOL	24	35	46	57								
TORTOLITA JR HIGH SC					64	73						
MARY E DILL ELEM DIS	20	37	41	47	58	67	77	89				
MARY E DILL SCHOOL	20	37	41	47	58	67	77	89				
SAHUARITA UNIFIED DI	25	43	44	58	66	72	78	90	9.7	10.9	12.3	12.9
SAHUARITA HIGH SCHOO									9.7	10.9	12.3	12.9
SAHUARITA JR HIGH SC						72	78	90				
SAHUARITA SCHOOL	25	44	45	57	66							
SOPORI SCHOOL	26	40	42	59	67							
SAN FERNANDO ELEM DI				54			92					
SAN FERNANDO SCHOOL				54			92					
SUNNYSIDE UNIFIED DI	21	33	43	49	59	65	73	80	7.6	9.1	10.5	11.2
APOLLO JR HIGH SCHOO							70	79				
CHAPPARRAL JR HIGH S							73	79				
CRAYCROFT SCHOOL	22	32	39	46	53	62						
DESERT VIEW HIGH SCH									7.6	8.9	10.4	11.1
DREXEL SCHOOL	21	35	43	50	58	65						
ELVIRA SCHOOL	18	32	43	42	62	57						
ESPERANZA SCHOOL	22	34	44	60	62	67						
GALLEGO SCHOOL	25	41	49	56	65	76						
LIBERTY SCHOOL	16	28	38	44	53	67						
LOS NINOS SCHOOL	21	33	39	49	61	62						
LOS RANCHITOS SCHOOL	20	29	43	44	57	67						
MISSION MANOR SCHOOL	23	35	43	51	64	69						
SANTA CLARA SCHOOL	20	31	41	46	56	60						
SUNNYSIDE HIGH SCHOO									7.8	9.5	10.6	11.2

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NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
SUNNYSIDE MIDDLE SCH						63	75	82				
VALENCIA SCHOOL				34	42	47	44	58				
TANQUE VERDE UNIFIED	24	42	50	59	67	81	84	97	12.1			
AGUA CALIENTE SCHOOL	27	44	49	60	69	81						
EMILY GRAY JR HIGH S							84	97	12.1			
TANQUE VERDE SCHOOL	23	41	52	57	65	80						
TUCSON UNIFIED DISTR	22	33	42	52	61	71	78	89	9.2	10.5	12.1	12.7
BASIC CURRICULUM							81					
BLENMAN SCHOOL	21	33	43	54	64	76						
BLOOM SCHOOL	28	39	48	57	62	75						
BONILLAS SCHOOL	26	44	50	60	67	81						
BOOTH SCHOOL	23	34	43	53	63							
BORMAN SCHOOL	21	36	45	55	64	72						
BORTON SCHOOL	21	34	37									
BRICHTA SCHOOL	23	34	40	50	68	78						
CARRILLO SCHOOL				50	57	67						
CARSON JUNIOR HIGH S						66	77	86				
CATALINA HIGH SCHOOL									8.7	10.1	11.9	PHS
CAVETT SCHOOL	18	29	33	40	47	58						
CHOLLA HIGH SCHOOL									7.9	9.0	10.0	11.1
COLLIER SCHOOL	24	39	49	61	67	80						
CORBETT SCHOOL	23	33	44	54	68	71						
CRAGIN SCHOOL	22	39	43	54	66	68						
DAVIDSON SCHOOL	21	32	42	53	63							
DAVIS SCHOOL	27	33	39	47	64	65						
DIETZ SCHOOL	18	39	36	52	60	68						
DOOLEN JR HIGH SCHOO						72	76	87				
DRACHMAN SCHOOL	24	31	39									
DUFFY SCHOOL	22	36	45	53	66	70						
DUNHAM SCHOOL	22	36	42	55	64							
ERICKSON SCHOOL	22	33	37	50	58	64						
EXTENDED DAY PROGRAM										5.6	8.9	9.9
FICKETT JR HIGH SCHO						73	83	95				
FORD SCHOOL	22	34	43	50	59	74						
FRUCHTHENDLER SCHOOL	31	42	50	67	73	88						
FT LOWELL SCHOOL	19	33	39	53	66	79						
GALE SCHOOL	30	41	44	59	67	76						
GRIDLEY JR HIGH SCHO						77	82	93				
HENRY SCHOOL	31	43	48	56	67							
HOLLADAY SCHOOL				51	62	68						
HOLLINGER SCHOOL	19	22	33	39	48	59						

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
HOWELL SCHOOL	24	32	47	52	69	76						
HOWENSTINE							76	70	6.1			
HUDLOW SCHOOL	21	33	44	60	68	83						
HUGHES SCHOOL	21	34	46	59	69	78						
JEFFERSON PARK SCHOO	20	35	49	46	51	70						
JUNIOR HIGH ACCOMMOD							63	63				
KEEN SCHOOL	20	32	40	50	59	66						
KELLOND SCHOOL	25	34	37	51	59	74						
LAWRENCE SCHOOL	19	31	36	48	52	65						
LINEWEAVER SCHOOL	29	45	53	56	72	80						
LYNN SCHOOL	17	32	40	52	59	66						
LYONS SCHOOL	19	32	38	47	61							
MAGEE JR HIGH SCHOOL							88	102				
MANSFELD JR HIGH SCH							74	84				
MANZO SCHOOL	16	26	34	41	54	58						
MARSHALL SCHOOL	25	38	46	56	65	73						
MAXWELL JR HIGH SCHO							76	87				
MENLO PARK SCHOOL	19	32	35	45	53	68						
MILES EXPLORATORY LE	16	29	39	49	62	64	74	64				
MILLER SCHOOL	19	31	40	49	58	67						
MISSION VIEW SCHOOL	14	25	36	41	46	61						
MYERS SCHOOL	18	29	37	50	62	67						
NAYLOR JR HIGH SCHOO							77	84				
OCHOA SCHOOL	17	28	34	38	62	67						
PALO VERDE HIGH SCHO									9.5	10.6	11.9	12.9
PISTOR JR HIGH SCHOO							71	81				
PROJECT MORE									6.8	9.1	9.6	10.5
PUEBLO GARDENS SCHOO	19	30	30	45	50	64						
PUEBLO HIGH SCHOOL									7.3	7.9	9.4	9.5
REYNOLDS SCHOOL	20	35	40	55	60	69						
RICHEY SCHOOL	16	26	39	49	55	61						
RINCON HIGH SCHOOL									8.6	10.5	11.1	12.3
ROBERTS SCHOOL	20	27	34	46	56	62						
ROBISON SCHOOL	23	29	33	50	55	75						
ROGERS SCHOOL	25	40	49	62	67	80						
ROSE SCHOOL	16	26	40	43	55	64						
ROSKRUGE SCHOOL	18	27	39	45	59	58						
SABINO HIGH SCHOOL									10.9	12.7	PHS	PHS
SAFFORD ELEM SCHOOL	17	24	33	41	54							
SAFFORD JR HIGH SCHO						61	77	92				
SAHUARO HIGH SCHOOL									11.2	11.9	PHS	PHS
SANTA RITA HIGH SCHO									9.0	10.7	12.3	12.9
SCHUMAKER SCHOOL	24	36	44	57	65	74						

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
SECRIST JR HIGH SCHO						71	82	97				
SENIOR HIGH ACCOMODA										8.7	4.7	7.6
SEWELL SCHOOL	30	40	45	55	67	76						
SMITH SCHOOL	22	34	38	55	61	67						
STEELE SCHOOL	26	35	46	56	65	75						
TEEN-AGE PARENT PROG									6.2	8.9	8.1	10.7
TOLSON SCHOOL	16	30	44	54	58	71						
TOWNSEND JR HIGH SCH							82	93				
TRANSITION									7.7	8.6	7.6	10.5
TUCSON HIGH SCHOOL									8.3	9.4	11.1	11.7
TULLY SCHOOL	28	30	43	52	57	65						
UNIVERSITY HIGH SCHO									PHS	PHS	PHS	PHS
UTTERBACK JR HIGH SC							76	86				
VAIL JR HIGH SCHOOL							82	90				
VAN BUSKIRK SCHOOL	18	25	39	45	51	65						
VAN HORNE SCHOOL	21	36	46	58	67	81						
VESEY SCHOOL	18	31	39	52	60	66						
WAKEFIELD JR HIGH SC							68	77				
WARREN SCHOOL	18	24	34	48	52	69						
WHEELER SCHOOL	21	41	50	51	62	77						
WHITE SCHOOL	20	29	42	49	57	67						
WHITMORE SCHOOL	27	36	51	61	69	80						
WRIGHT SCHOOL	21	33	43	52	62	74						
WRIGHTSTOWN SCHOOL	24	44	49	58	67	76						
VAIL ELEM DISTRICT	24	38	45	54	70	79	79	94				
VAIL SCHOOL	24	38	45	54	70	79	79	94				

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
PINAL	19	30	40	49	58	68	75	83	8.3	9.5	11.1	11.6
APACHE JUNCTION UNIF	23	33	41	50	62	75	77	85	8.7	10.5	11.9	12.7
APACHE JUNCTION HIGH									8.7	10.5	11.9	12.7
APACHE JUNCTION JR H							77	85				
FOUR PEAKS SCHOOL	23	31	39	49	65	74						
GOLD CANYON ELEMENTA	22	36	43	50	64	80						
SUPERSTITION MOUNTAI	26	32	42	53	57	69						
CASA GRANDE ELEM DIS	19	31	42	50	58	68	73	83				
CASA GRANDE JR HIGH							73	83				
CHOLLA SCHOOL	18	31	44	48	60	69						
COTTONWOOD SCHOOL	18	27	41	51	59	72						
EVERGREEN SCHOOL	24	31	43	55	62	71						
OCOTILLO SCHOOL	16	28	39	47	51	64						
PALO VERDE SCHOOL	17	29	38	48	56	61						
SAGUARO SCHOOL	19	37	45	49	61	69						
CASA GRANDE UNION HI									8.8	10.4	11.6	12.0
CASA GRANDE UNION A									8.8	10.4	11.6	12.0
CASA GRANDE UNION B									8.3	6.9	12.7	9.6
COOLIDGE UNIFIED DIS	19	31	42	52	58	68	76	80	7.5	8.3	9.6	10.5
COOLIDGE CENTRAL SCH					58	68	76	80				
COOLIDGE HIGH SCHOOL									7.5	8.3	9.6	10.5
NORTH SCHOOL				52								
WEST SCHOOL	19	31	42									
ELOY ELEM DISTRICT	14	24	34	45	52	63	72	77				
CURIEL SCHOOL	14	24	34									
ELOY INTERMEDIATE				45	52	63						
ELOY JUNIOR HIGH SCH							72	77				
FLORENCE UNIFIED DIS	18	29	40	51	56	61	68	82	8.1	9.1	10.6	12.0
FLORENCE ELEMENTARY	18	29	40	51	56							
FLORENCE HIGH SCHOOL						61	68	82	8.1	9.1	10.6	12.0
J O COMBS ELEM DISTR	25	31	44	53	52	59	78	81				
J O COMBS SCHOOL	25	31	44	53	52	59	78	81				
MAMMOTH SAN MANUEL U	20	28	40	49	61	66	73	82	8.1	8.6	10.7	11.5
AVENUE B SCHOOL				48	60	64						

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
FIRST AVENUE SCHOOL	20	28	39									
GARDNER MIDDLE SCHOO							73	82				
MAMMOTH SCHOOL	19	26	44	51	63	69						
SAN MANUEL HIGH SCHO									8.1	8.6	10.7	11.5
MARICOPA UNIFIED DIS	17	26	40	49	58	66	78	81	7.6	8.4	9.2	10.5
MARICOPA HIGH SCHOOL									7.6	8.4	9.2	10.5
MARICOPA SCHOOL	17	26	40	49	58	66	78	81				
MARY C O'BRIEN ELEM	18	31	48	49	63	64						
MARY C O'BRIEN SCHOO	18	31	48	49	63	64						
ORACLE ELEM DISTRICT	20	35	41	49	61	69	82	88				
ORACLE SCHOOL	20	35	41	49	61	69	82	88				
PICACHO ELEM DISTRIC	19	30	36	40	45	54	73	75				
PICACHO SCHOOL	19	30	36	40	45	54	73	75				
RAY UNIFIED DISTRICT	23	36	44	49	61	77	83	85	9.4	10.9	12.7	PHS
KEARNY ELEMENTARY					61	77	83	85				
KEARNY PRIMARY	23	36	44	49								
RAY HIGH SCHOOL									9.4	10.9	12.7	PHS
RED ROCK ELEM DISTRI	20	33	40	51	70	70	69	100				
RED ROCK SCHOOL	20	33	40	51	70	70	69	100				
SACATON ELEM DISTRIC	14	26	31	43	52	59	72	84				
SACATON ELEMENTARY	14	26	31	43	52							
SACATON MIDDLE						59	72	84				
SANTA CRUZ VLY U H S									7.3	7.6	9.5	9.4
SANTA CRUZ VALLEY HI									7.3	7.6	9.5	9.4
STANFIELD ELEM DISTR	18	35	37	48	54	62	78	85				
STANFIELD SCHOOL	18	35	37	48	54	62	78	85				
SUPERIOR UNIFIED DIS	18	29	39	50	59	64	75	81	8.8	8.0	11.2	10.4
KENNEDY SCHOOL	18	29	39	50	59	64						
ROOSEVELT SCHOOL							75	81				
SUPERIOR HIGH SCHOOL									8.8	8.0	11.2	10.4
TOLTEC ELEM DISTRICT	15	27	40	44	66	69	77	94				
TOLTEC SCHOOL	15	27	40	44	66	69	77	94				

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
SANTA CRUZ	17	32	41	48	56	65	71	77	7.4	8.3	10.0	11.1
NOGALES UNIFIED DIST	17	32	40	47	55	63	69	74	7.3	8.1	10.1	11.1
A. J. MITCHELL SCHOO	15	30	39	47	54							
CHALLENGER ELEMENTAR	17	34	41	47	55							
LINCOLN SCHOOL	16	29	37	48	55							
MARY WELTY SCHOOL	20	35	41	48	57							
NOGALES HIGH SCHOOL									7.3	8.1	10.1	11.1
PIERSON MIDDLE SCHOO						65	67	71				
WADE CARPENTER MIDDL						62	70	77				
PATAGONIA ELEM DISTR	16	36	49	58	66	80						
PATAGONIA SCHOOL	16	36	49	58	66	80						
PATAGONIA UNION HIGH							73	82	9.4	11.9	9.7	10.5
PATAGONIA HIGH SCHOO							73	82	9.4	11.9	9.7	10.5
SANTA CRUZ ELEM DIST	23	38	51	55	58	76	80	89				
SANTA CRUZ SCHOOL	23	38	51	55	58	76	80	89				
SANTA CRUZ VALLEY UN	21	32	43	50	60	69	78	88				
CALABASAS SCHOOL			43	50	60	69	78	88				
TUBAC SCHOOL	21	32										
SONOITA ELEM DISTRIC	27	40	43	59	66	81	96	95				
ELGIN SCHOOL	27	40	43	59	66	81	96	95				

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
YAVAPAI	22	36	45	54	63	73	81	90	9.6	10.6	12.4	PHS
ASH FORK UNIFIED DIS	20	38	37	56	59	67	70	76	8.9	10.0	11.1	9.2
ASH FORK HIGH SCHOOL									8.9	10.0	11.1	9.2
ASH FORK SCHOOL	20	38	37	56	59	67	70	76				
BAGDAD UNIFIED DISTR	21	39	43	50	63	74	83	89	8.8	10.7	PHS	12.3
BAGDAD HIGH SCHOOL									8.8	10.7	PHS	12.3
DAVID C LINCOLN SCHO	21	39	43	50	63	74	83	89				
BEAVER CREEK ELEM DI	24	31	37	49	62	67	74	80				
BEAVER CREEK SCHOOL	24	31	37	49	62	67	74	80				
CAMP VERDE UNIFIED D	24	37	42	52	59	73	82	94	8.7	8.9	11.1	12.3
CAMP VERDE HIGH SCHO									8.7	8.9	11.1	12.3
CAMP VERDE SCHOOL	24	37	42	52	59	73	82	94				
CANON ELEM DISTRICT	25	25	46	53	61	59	68	79				
CANON JR. HIGH SCHOO						59	68	79				
CANON SCHOOL	25	25	46	53	61							
CHINO VALLEY UNIFIED	20	35	46	54	62	74	77	87				
CHINO VALLEY UNIFIED									8.4			
CHINO VALLEY SCHOOL						74	77	87				
CHINO VALLEY SCHOOL									8.4			
DEL RIO SCHOOL	20	35	46	54	62							
CLARKDALE-JEROME ELE	21	34	43	50	67	68	78	87				
VERDE SCHOOL	21	34	43	50	67	68	78	87				
COTTONWD OAK CRK ELE	22	36	44	53	61	72	82	90				
CLEMENCEAU SCHOOL					58	71						
COTTONWOOD ELEM SCHO	21	37	44	52								
COTTONWOOD JR HIGH S							82	90				
OAK CREEK SCHOOL	23	32	40	51	62	72	81	90				
WEST SEDONA SCHOOL	22	35	44	59	68	78						
CROWN KING ELEM DIST	29				69							
CROWN KING SCHOOL	29				69							

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NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
HILLSIDE ELEM DISTRI	20	50	43	69								
HILLSIDE SCHOOL	20	50	43	69								
HUMBOLDT UNIFIED DIS	24	38	48	53	62	72	81	83	7.5	10.0	11.6	11.4
BRADSHAW MOUNTAIN HI									7.5	10.0	11.6	11.4
HUMBOLDT JUNIOR HIGH						72	81	83				
LAKE VALLEY SCHOOL	24	38	48	53	62							
KIRKLAND ELEM DISTRI	18		41	66	61	69						
KIRKLAND SCHOOL	18		41	66	61	69						
MAYER UNIFIED DISTRI	20	38	41	47	63	68	74	85	8.3	11.1	11.7	10.6
MAYER HIGH SCHOOL									8.3	11.1	11.7	10.6
MAYER SCHOOL	20	38	41	47	63	68	74	85				
MINGUS UNION HIGH SC									10.1	10.5	12.3	PHS
MINGUS UNION HIGH SC									10.1	10.5	12.3	PHS
PRESCOTT UNIFIED DIS	23	36	48	56	67	76	82	95	11.1	11.2	12.9	PHS
DEXTER SCHOOL	19	27	46	57	61	74						
GRANITE MOUNTAIN JR							83	98	11.9			
LINCOLN SCHOOL	22	38	44	56	72	80						
MILLER VALLEY SCHOOL	26	33	49	56	70	75						
PRESCOTT HIGH SCHOOL										11.2	12.9	PHS
PRESCOTT JUNIOR HIGH							81	92	10.6			
TAYLOR HICKS SCHOOL	27	41	54	58	69	78						
WASHINGTON SCHOOL	20	35	45	54	63	76						
SELIGMAN UNIFIED DIS	26	36	44	48	60	74	87	91	8.1	8.8	9.7	PHS
SELIGMAN HIGH SCHOOL									8.1	8.8	9.7	PHS
SELIGMAN SCHOOL	26	36	44	48	60	74	87	91				
SKULL VALLEY ELEM DI	21	36	49	37	58	66						
SKULL VALLEY SCHOOL	21	36	49	37	58	66						
YARNELL ELEM DISTRIC	22	33	37	55	62	69						
YARNELL SCHOOL	22	33	37	55	62	69						

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
YUMA	19	31	40	49	58	66	76	85	8.8	9.9	11.0	11.5
ANTELOPE UNION HIGH									7.4	8.8	9.6	9.9
ANTELOPE UNION HIGH									7.4	8.8	9.6	9.9
CRANE ELEM DISTRICT	23	38	44	53	62	73	83	92				
CRANE PUEBLO SCHOOL	22	38	45	55	60	71						
CRANE RANCHO/VIEJO S	22	36	42	51	62	71						
H L SUVERKRUP SCHOOL							83	92				
RONALD REAGAN FUNDAM	29	45	50	59	66	82						
GADSDEN ELEM DISTRIC	13	20	29	37	47	53	66	73				
GADSDEN SCHOOL			29	37	47	53	66	73				
RIO COLORADO ELEM	13	20										
HYDER ELEM DISTRICT	12	24	32	45	50	61	72	79				
DATELAND SCHOOL	12	24	32	45	50	61	72	79				
MOHAWK VALLEY ELEM D	18	32	38	49	57	68	73	91				
MOHAWK VALLEY SCHOOL	18	32	38	49	57	68	73	91				
SOMERTON ELEM DISTRI	15	20	30	40	47	57	70	82				
ORANGE GROVE ELEMENT	16	22	32	42	56	64						
SOMERTON ELEMENTARY	15	20	30	39	45	56	70	82				
WELLTON ELEM DISTRIC	19	33	41	47	61	71	73	84				
WELLTON SCHOOL	19	33	41	47	61	71	73	84				
YUMA ELEM DISTRICT	19	31	42	51	60	66	75	85				
ALICE BYRNE SCHOOL	20	32	42	51	61							
C W MCGRAW SCHOOL	19	28	45	53	56	68						
CARVER SCHOOL	15	31	37	44	55							
FOURTH AVE JR HIGH S							69	79				
GILA VISTA JR HIGH S							80	90				
GWYNETH HAM SCHOOL	24	36	42	49	59	63						
JAMES B ROLLE SCHOOL	19	30	45	58	65	72						
JAMES D PRICE SCHOOL	24	30	41	51	64	66						
MARY E POST SCHOOL				49	55	61						
O C JOHNSON SCHOOL	21	38	45	52	61	68						
PALMCROFT SCHOOL	20	33	39	51	62							
PECAN GROVE SCHOOL	15	29	39	47	59							
ROOSEVELT SCHOOL	14	26	39									

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NATIONAL	20	30	40	50	59	68	78	86	9.2	10.1	11.2	11.7
STATEWIDE	22	35	44	53	62	71	79	89	9.5	10.5	12.0	12.4
WOODARD JR HIGH SCHO						66	79	87				
YUMA UNION HIGH SCHO									8.9	9.9	11.1	11.6
KOFA HIGH SCHOOL									8.6	9.5	11.1	11.7
YUMA HIGH SCHOOL									9.2	10.2	11.0	11.5

Appendix C

1987 Grade Equivalents for Mathematics on the

- Iowa Tests of Basic Skills (1 - 8)
- Stanford Achievement Test (9)
- Stanford Test of Academic Skills (10 - 12)

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MATHEMATICS

GRADE EQUIVALENT

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
APACHE	17	27	32	42	53	62	69	77	8.2	9.2	9.7	10.0
ALPINE ELEM DISTRICT	19	31	42	49	61	65	71	95				
ALPINE SCHOOL	19	31	42	49	61	65	71	95				
CHINLE UNIFIED DISTR	14	25	30	39	51	58	65	74	7.4	8.5	9.0	8.9
CHINLE ELEMENTARY SC		26		40	50	59						
CHINLE HIGH SCHOOL									7.4	8.5	9.0	8.9
CHINLE JUNIOR HIGH S							65	75				
CHINLE PRIMARY SCHOO	15	23	29									
MANY FARMS SCHOOL	13	25	29	37	53	56						
TSAILE SCHOOL	14	30	38	40	51	55	65	69				
CONCHO ELEM DISTRICT	24	29	38	49	52	70	81	94				
CONCHO SCHOOL	24	29	38	49	52	70	81	94				
GANADO UNIFIED DISTR	15	24	29	39	51	59	64	71	7.4	8.6	8.3	8.6
GANADO HIGH SCHOOL									7.4	8.6	8.3	8.6
GANADO INTERMEDIATE				39	51	59						
GANADO JUNIOR HIGH S							64	71				
GANADO PRIMARY SCHOO	15	24	29									
MCNARY ELEM DISTRICT	12	21	30		46	63	62	64				
MCNARY SCHOOL	12	21	30		46	63	62	64				
PUERCO UNIFIED DISTR	12	21	26	36	49	59	61	69	7.3	7.9	8.4	8.2
SANDERS ELEMENTARY S	12	21	26	36	49							
SANDERS JUNIOR HIGH						59	61	69				
VALLEY HIGH SCHOOL									7.3	7.9	8.4	8.2
RED MESA UNIFIED DIS	15	22	27	38	46	54	66	73	7.0	7.5	7.9	8.0
RED MESA HIGH SCHOOL									7.0	7.5	7.9	8.0
RED MESA SCHOOL	16	21	28	40	46	52	66	72				
ROUND ROCK SCHOOL	11	22	25	33	46	56	67	75				
ROUND VALLEY UNIFIED	22	32	37	49	59	68	74	86	10.7	12.2	PHS	PHS
ROUND VALLEY HIGH SC									10.7	12.2	PHS	PHS
ROUND VALLEY MIDDLE				49	59	68	74	86				
ROUND VALLEY PRIMARY	22	32	37									
ST JOHNS UNIFIED DIS	21	34	37	48	61	71	80	90	10.8	11.7	10.4	PHS
PIONEER SCHOOL	21	34	37	48								

ARIZONA PUPIL ACHIEVEMENT TESTING

MATHEMATICS

GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
ST JOHNS HIGH SCHOOL									10.8	11.7	10.4	PHS
ST JOHNS JR HIGH SCH					61	71	80	90				
WINDOW ROCK UNIFIED	16	27	34	43	52	61	69	77	8.6	9.8	10.5	10.7
FT DEFIANCE SCHOOL	16	25	33	43	51							
TSO HO TSO MIDDLE SC						61	69	77				
WINDOW ROCK HIGH SCH									8.6	9.8	10.5	10.7
WINDOW ROCK SCHOOL	17	29	34	42	53							

ARIZONA PUPIL ACHIEVEMENT TESTING

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MATHEMATICS

GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
COCHISE	19	29	36	48	58	67	77	87	9.9	11.4	12.6	PHS
APACHE ELEM DISTRICT		33		50		75						
APACHE SCHOOL		33		50		75						
ASH CREEK ELEM DISTR	18	31	33	41	57	63	86	85				
ASH CREEK SCHOOL	18	31	33	41	57	63	86	85				
BENSON ELEM DISTRICT	20	29	38	51	56	67	76	84				
BENSON SCHOOL	20	29	38	51	56	67	76	84				
BENSON UNION HIGH SC									9.2	11.7	12.5	PHS
BENSON UNION HIGH SC									9.2	11.7	12.5	PHS
BISBEE UNIFIED DISTR	19	30	36	45	57	62	79	84	9.3	9.6	10.7	11.4
BISBEE HIGH SCHOOL	19	30	36						9.3	9.6	10.7	11.4
LOWELL SCHOOL				45	57	62	79	84				
BOWIE UNIFIED DISTRI	17	28	27	42	49	57	66	83	7.7	11.7	PHS	10.9
BOWIE HIGH SCHOOL									7.7	11.7	PHS	10.9
BOWIE SCHOOL	17	28	27	42	49	57	66	83				
COCHISE ELEM DISTRIC	20	24	37	49	60	76	82					
COCHISE SCHOOL	20	24	37	49	60	76	82					
DOUBLE ADOBE ELEM DI	18	31	39	42	62	77						
DOUBLE ADOBE SCHOOL	18	31	39	42	62	77						
DOUGLAS UNIFIED DIST	17	27	35	46	57	63	74	83	9.2	10.7	11.1	12.1
A AVENUE SCHOOL	16	27	35	48	57							
CLAWSON SCHOOL	14	25	35	44	59							
DOUGLAS HIGH SCHOOL									9.2	10.7	11.1	12.1
DOUGLAS JUNIOR HIGH						59	71	80				
FARAS SCHOOL	17	30	36	43	56							
FIFTEENTH STREET SCH	17	24	33	44	58							
JOE CARLSON SCHOOL	20	26	37	49	60							
PAUL H. HUBER JR HIG						67	77	87				
SARAH MARLEY SCHOOL	16	25	31	41	50							
STEVENSON SCHOOL	17	30	37	48	61							
ELFRIDA ELEM DISTRIC	25	32	31	45	51	62	77	76				
ELFRIDA SCHOOL	25	32	31	45	51	62	77	76				

ARIZONA PUPIL ACHIEVEMENT TESTING

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MATHEMATICS

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GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
FT HUACHUCA ACCOM SC	16	30	36	47	57	67	78	88				
COLONEL JOHNSTON SCH	16	30	36									
COLONEL SMITH MIDDLE						67	78	88				
GENERAL MYER SCHOOL				47	57							
MCNEAL ELEM DISTRICT	22	42	32	41	53	70	79	95				
MCNEAL SCHOOL	22	42	32	41	53	70	79	95				
NACO ELEM DISTRICT	17	26	33	45	52	52	69	78				
NACO SCHOOL	17	26	33	45	52	52	69	78				
PALOMINAS ELEM DISTR	20	31	34	48	59	71	83	94				
PALOMINAS SCHOOL	20	31	34	48	59	71	83	94				
PEARCE ELEM DISTRICT	28	32	41	50	58	65	73	88				
PEARCE SCHOOL	28	32	41	50	58	65	73	88				
POMERENE ELEM DISTRI	24	27	36	45	64	80	86	94				
POMERENE SCHOOL	24	27	36	45	64	80	86	94				
SAN SIMON UNIFIED DI	17	25	42	51	52	60	74	85	10.3	9.5	PHS	11.7
SAN SIMON HIGH SCHOO									10.3	9.5	PHS	11.7
SAN SIMON SCHOOL	17	25	42	51	52	60	74	85				
SIERRA VISTA UNIFIED	20	30	38	49	60	72	80	89	10.4	12.4	PHS	PHS
BELLA VISTA SCHOOL	21	29	39	49	60	76						
BUENA HIGH SCHOOL	18	28	34	43	56	69			10.4	12.4	PHS	PHS
PUEBLO DEL SOL SCHOO	20	29	37	51	64	73						
SIERRA VISTA MIDDLE							80	89				
TOWN AND COUNTRY SCH	19	32	39	49	58	71						
VILLAGE MEADOWS SCHO	21	32	38	53	63	72						
ST DAVID UNIFIED DIS	22	30	39	53	60	64	80	88	10.2	12.4	12.9	PHS
ST DAVID HIGH SCHOOL									10.2	12.4	12.9	PHS
ST DAVID SCHOOL	22	30	39	53	60	64	80	88				
TOMBSTONE UNIFIED DI	17	27	37	49	57	64	73	87	10.1	10.0	10.7	PHS
HUACHUCA CITY SCHOOL	18	26	36	48	55	66	70	86				
TOMBSTONE HIGH SCHOO									10.1	10.0	10.7	PHS
WALTER J MEYER SCHOO	16	30	41	52	67	61	79	91				

ARIZONA PUPIL ACHIEVEMENT TESTING

MATHEMATICS

GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
VALLEY UNION HIGH SC									9.7	11.1	10.9	PHS
VALLEY UNION HIGH SC							.		9.7	11.1	10.9	PHS
WILLCOX UNIFIED DIST	19	31	38	46	57	69	78	89	10.9	12.5	12.1	12.0
WILLCOX ELEMENTARY S	19	31	38	46								
WILLCOX HIGH SCHOOL									10.9	12.5	12.1	12.0
WILLCOX MIDDLE SCHOO					57	69	78	89				

ARIZONA PUPIL ACHIEVEMENT TESTING

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MATHEMATICS

GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
COCONINO	19	30	36	47	57	68	78	86	9.9	11.4	12.0	PHS
CHEVELON BUTTE ELEM		41		39		68						
CHEVELON BUTTE SCHOO		41		39		68						
FLAGSTAFF UNIFIED DI	20	31	36	48	59	70	79	87	10.8	12.6	PHS	PHS
CHARLES W SECHRIST S	22	33	39	51	63	76						
COCONINO HIGH SCHOOL										12.7	PHS	PHS
EAST FLAGSTAFF JUNIO							79	88	11.1			
EVA MARSHALL SCHOOL	19	32	38	50	61	71						
FLAGSTAFF HIGH SCHOO										12.2	PHS	PHS
FLAGSTAFF JUNIOR HIG							81	87	10.5			
JOHN Q THOMAS SCHOOL	21	29	36	46	60	70						
LEUPP SCHOOL	25	29	33	43	52	61	67	82				
LURA KINSEY SCHOOL	18	31	34	45	57	69						
NEIL V CHRISTENSEN S	20	33	37	51	60	70						
SEDONA SCHOOL	22	35	38	47	58	77	80	93				
SOUTH BEAVER SCHOOL	20	33	35	49	56	69						
THOMAS R WEITZEL SCH	20	33	36	46	55	72						
W F KILLIP SCHOOL	17	26	33	46	58	68						
FREDONIA/MOCCASIN UN	20	34	34	48	57	65	79	90	8.6	9.1	9.3	PHS
FREDONIA MOCCASIN HI									8.6	9.1	9.3	PHS
FREDONIA MOCCASIN SC	21	36	35	48	57	65	79	90				
MOCCASIN SCHOOL	18	22	29									
GRAND CANYON UNIFIED	21	31	37	50	64	72	77	82	10.0	12.2	11.1	PHS
GRAND CANYON HIGH SC									10.0	12.2	11.1	PHS
GRAND CANYON SCHOOL	21	31	37	50	64	72	77	82				
MAINE CONSOLIDATED E	20	31	44	52	60	66						
MAINE CONSOLIDATED S	20	31	44	52	60	66						
PAGE UNIFIED DISTRIC	18	30	39	47	56	66	78	87	9.2	10.3	11.0	11.7
DESERT VIEW ELEMENTA	17	30	41	47	57							
LAKE VIEW ELEMENTARY	20	29	37	47	56							
PAGE HIGH SCHOOL									9.2	10.3	11.0	11.7
PAGE MIDDLE SCHOOL						66	78	87				
TUBA CITY UNIFIED DI	18	29	35	42	52	60	72	82	8.7	9.6	9.9	10.6
CAMERON PRIMARY	16	26	37									
EAGLE'S NEST MID				42	52	60						

ARIZONA PUPIL ACHIEVEMENT TESTING

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GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
GAP/BODEWAY PRIMARY	21	26	30									
TUBA CITY HIGH SCHOO									8.7	9.6	9.9	10.6
TUBA CITY JUNIOR HIG							72	82				
TUBA CITY PRIMARY SC	18	30	34									
WILLIAMS UNIFIED DIS	17	27	36	51	58	70	74	89	9.4	11.1	PHS	PHS
WILLIAMS ELEMENTARY	17	27	36	51	58	70	74	89				
WILLIAMS HIGH SCHOOL									9.4	11.1	PHS	PHS

ARIZONA PUPIL ACHIEVEMENT TESTING

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MATHEMATICS

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GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
GILA	18	29	36	47	57	67	73	83	8.6	10.1	10.8	11.1
GLOBE UNIFIED DISTRI	16	31	38	49	58	66	75	83	8.4	9.9	9.7	9.9
COPPER RIM ELEM	16	31	38	49								
EAST GLOBE SCHOOL					58	66						
GLOBE HIGH SCHOOL									8.4	9.9	9.7	9.9
GLOBE JR. HIGH SCHOO							75	83				
HAYDEN WINKELMAN UNI	18	32	38	45	55	63	71	78	7.6	9.5	9.8	9.3
HAYDEN HIGH SCHOOL									7.6	9.5	9.8	9.3
LEONOR HAMBLY JUNIOR							71	78				
WINKELMAN INTERMED				45	55	63						
WINKELMAN PRIMARY	18	32	38									
MIAMI UNIFIED DISTRI	18	30	37	49	59	67	73	85	8.6	10.5	11.0	12.1
BULLION PLAZA SCHOOL					59	67						
CENTRAL HEIGHTS SCHO	20	32	40	46								
INSPIRATION ADDITION	19	28	33	46								
LAS LOMAS SCHOOL	18	30	37	54								
LEE KORNEGAY JHS							73	85				
MIAMI HIGH SCHOOL									8.6	10.5	11.0	12.1
PAYSON UNIFIED DISTR	19	30	37	47	61	71	77	87	9.3	10.4	12.6	PHS
JULIA RANDALL SCHOOL	19	30	37	47	61	71						
PAYSON HIGH SCHOOL							77	87	9.3	10.4	12.6	PHS
PINE ELEM DISTRICT	22	29	41	45	59	71	79	82				
PINE SCHOOL	22	29	41	45	59	71	79	82				
RICE ELEM DISTRICT	17	24	29	37	45	60	59	73				
RICE SCHOOL	17	24	29	37	45	60	59	73				
TONTO BASIN ELEM DIS	21	27	30	43	57	65	61	89				
TONTO BASIN SCHOOL	21	27	30	43	57	65	61	89				
YOUNG ELEM DISTRICT	28	31	43	49	56	79	75	82	9.4	10.4	12.6	PHS
YOUNG ELEMENTARY SCH	28	31	43	49	56	79	75	82				
YOUNG TEACHING HIGH									9.4	10.4	12.6	PHS

ARIZONA PUPIL ACHIEVEMENT TESTING

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MATHEMATICS

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GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
GRAHAM	20	28	37	48	62	72	75	84	9.3	10.6	11.1	11.6
BONITA ELEM DISTRICT	17	28	34	51	58	69	82	88				
BONITA SCHOOL	17	28	34	51	58	69	82	88				
FT THOMAS UNIFIED DI	16	24	31	37	50	55	65	69	7.7	8.1	8.0	7.6
FT THOMAS ELEMENTARY	16	24	31	37	50	55						
FT THOMAS HIGH SCHOO							65	69	7.7	8.1	8.0	7.6
PIMA UNIFIED DISTRIC	24	30	35	51	62	78	76	83	10.4	10.8	9.8	11.6
PIMA ELEMENTARY SCHO	24	30	35	51	62	78	76	83				
PIMA HIGH SCHOOL									10.4	10.8	9.8	11.6
SAFFORD UNIFIED DIST	17	26	38	48	61	73	77	84	9.0	10.7	11.7	12.4
DOROTHY STINSON SCHO	17	26										
LAFE NELSON SCHOOL			38	48	61	73			9.0	10.7	11.7	12.4
SAFFORD JUNIOR HIGH							77	84				
SOLOMONVILLE ELEM DI	19	29	35	54	63	66	77	78				
SOLOMONVILLE SCHOOL	19	29	35	54	63	66	77	78				
THATCHER UNIFIED DIS	25	31	40	50	67	73	72	89	9.9	11.5	PHS	12.5
JACK DALEY PRIMARY S	25	31	40									
THATCHER ELEMENTARY				50	67	73						
THATCHER HIGH SCHOOL										11.5	PHS	12.5
THATCHER MIDDLE SCHO							72	89	9.9			

ARIZONA PUPIL ACHIEVEMENT TESTING

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MATHEMATICS

GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
GREENLEE	20	29	37	47	56	67	71	82	9.4	10.3	10.4	10.9
BLUE ELEM DISTRICT			36	46								
BLUE SCHOOL			36	46								
CLIFTON UNIFIED DIST	23	29	35	43	55	65	64	77	8.0	10.6	10.5	11.9
CLIFTON HIGH SCHOOL									8.0	10.6	10.5	11.9
LAUGHARN SCHOOL	23	29	35	43	55	65	64	77				
DUNCAN UNIFIED DISTR	19	27	35	47	56	64	72	83	9.6	9.2	9.9	10.3
DUNCAN HIGH SCHOOL									9.6	9.2	9.9	10.3
DUNCAN SCHOOL	19	27	35	47	56	64	72	83				
EAGLE ELEM DISTRICT	22		41									
EAGLE ELEM SCHOOL	22		41									
MORENCI UNIFIED DIST	19	30	40	50	57	70	74	84	10.2	10.9	10.9	11.2
FAIRBANKS SCHOOL			40	50	57	70	74	84				
MODOC SCHOOL	19	30										
MORENCI HIGH SCHOOL									10.2	10.9	10.9	11.2

ARIZONA PUPIL ACHIEVEMENT TESTING

MATHEMATICS

GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
LA PAZ	17	27	35	43	52	62	73	83	9.9	11.0	PHS	12.0
BICENTENNIAL U H S D									8.4	9.0	11.0	9.3
SALOME HIGH SCHOOL									8.4	9.0	11.0	9.3
BOUSE ELEM DISTRICT	17	26	35	49	68	78	75	100				
BOUSE SCHOOL	17	26	35	49	68	78	75	100				
PARKER UNIFIED DISTR	17	27	36	43	50	61	72	82	10.5	11.6	PHS	12.7
BLAKE SCHOOL	17	28	37									
LE PERA SCHOOL	16	26	34	43	50	61	72	82				
PARKER HIGH SCHOOL									10.5	11.6	PHS	12.7
QUARTZSITE ELEM DIST	16	25	34	41	51	57	70	82				
EHRENBERG SCHOOL	16	25	34	41	51	57	70	82				
SALOME CONSOLIDATED	23	29	31	37	52	67	75	85				
SALOME SCHOOL	23	29	31	37	52	67	75	85				
WENDEN ELEM DISTRICT	21	23	35	45	62	71	81	81				
WENDEN SCHOOL	21	23	35	45	62	71	81	81				

ARIZONA PUPIL ACHIEVEMENT TESTING

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MATHEMATICS

GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
MARICOPA	20	31	38	49	60	70	79	88	10.8	12.1	PHS	PHS
AGUA FRIA UNION HS D									9.9	10.9	12.6	PHS
AGUA FRIA UNION HIGH									9.9	10.9	12.6	PHS
AGUILA ELEM DISTRICT	13	30		49	57	54	73	100				
AGUILA SCHOOL	13	30		49	57	54	73	100				
ALHAMBRA ELEM DISTRI	22	33	39	50	60	69	78	86				
ALHAMBRA ELEMENTARY	25	40	43	54	70	78	89	92				
ANDALUCIA SCHOOL	20	32	42	48	59	64	74	85				
BARCELONA SCHOOL	26	38	42	54	60	68	77	86				
CATALINA SCHOOL	27	33	39	51	61	74	84	91				
CORDOVA SCHOOL	18	28	35	47	57	65	73	82				
GRANADA SCHOOL	19	34	36	50	64	68	77	85				
R E SIMPSON SCHOOL				49	54	67	74	84				
SEVILLA SCHOOL	23	33	40	52	59	72	80	88				
WESTWOOD TRADITIONAL	21	32	36									
ARLINGTON ELEM DISTR	22	29	34	49	57	60	74	85				
ARLINGTON SCHOOL	20	28	33	49	55	66	75	88				
HARQUAHALA VALLEY SC	23	30	37	49	57	52	74	82				
AVONDALE ELEM DISTRI	17	29	34	43	54	64	69	78				
AVONDALE JUNIOR HIGH							69	78				
AVONDALE SCHOOL	17	29										
LATTIE COOR SCHOOL					54	64						
PIONEER SCHOOL			34	43								
BALSZ ELEM DISTRICT	19	28	35	46	58	66	77	87				
BALSZ SCHOOL	18	28	35	47	59	63	75	83				
CROCKETT SCHOOL	19	28	34	39	52	67	73	85				
GRIFFITH SCHOOL	19	33	37	50	61	69	80	87				
ORANGEDALE SCHOOL	20	25	34	47	57	68	78	92				
BUCKEYE ELEM DISTRIC	16	28	33	46	55	63	73	81				
BUCKEYE SCHOOL	16	28	33	46	55	63	73	81				
BUCKEYE UNION HIGH S									9.5	9.9	11.1	11.0
BUCKEYE UNION HIGH S									9.5	9.9	11.1	11.0

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
CARTWRIGHT ELEM DIST	20	31	38	48	58	69	76	84				
BYRON A BARRY SCHOOL	20	30	37	48	62	72						
CARTWRIGHT SCHOOL	16	31	38	46	56	72						
CHARLES W HARRIS SCH	23	31	39	50	58	69						
DESERT SANDS JR HIGH							78	85				
ESTRELLA JUNIOR HIGH							77	86				
FRANK BORMAN JR HIGH							73	82				
GLENN L DOWNS SCHOOL	24	31	36	47	56	62						
HEATHERBRAE SCHOOL	20	35	37	49	58	66						
HOLIDAY PARK	20	30	37	50	62	71						
JOHN F LONG SCHOOL	24	32	38	48	55	65						
JUSTINE SPITALNY SCH	19	32	38	46	57	67						
PALM LANE SCHOOL	17	33	39	43	57	72						
PERALATA SCHOOL	19	30	36	48	55	69						
STARLIGHT PARK SCHOO	19	30	35	48	57	68						
SUNSET SCHOOL	17	29	36	49	58	70						
TOMAHAWK SCHOOL	23	33	40	51	62	72						
CAVE CREEK UNIFIED D	21	34	39	50	60	70	77	88	9.7	12.7	PHS	PHS
BLACK MOUNTAIN SCHOO			39	50	60	70						
CACTUS SHADOWS SCHOO							77	88	9.7	12.7	PHS	PHS
CAVE CREEK SCHOOL	21	34										
CHANDLER UNIFIED DIS	22	33	40	51	60	73	78	87	10.4	11.1	PHS	PHS
ANDERSON	24	37	43	55	66	74						
CHANDLER HIGH SCHOOL										11.1	PHS	PHS
CHANDLER JUNIOR HIGH							77	86	9.8			
DENVER SCHOOL	18	28	36	44	52	66						
ERIE SCHOOL	23	33	38	52	63	74						
FRYE SCHOOL	19	28	39	48	56	71						
GALVESTON SCHOOL	19	30	44	50	57	66						
HARTFORD SCHOOL	22	34	43	51	62	78						
HUMPHREY ELEMENTARY	23	34	38	53	61	80						
KNOX SCHOOL	23	33	40	51	59	75						
WEINBERG SCHOOL	23	34	39	49	61	69						
WILLIS JUNIOR HIGH							78	87	11.1			
CREIGHTON ELEM DISTR	19	32	38	47	59	70	79	85				
CREIGHTON SCHOOL							79	85				
LARRY C. KENNEDY SCH	19	36	40	48	59	65						
LOMA LINDA SCHOOL	20	31	39	45	59	70						
MONTE VISTA SCHOOL	19	31	36	46	60	66						

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
PAPAGO SCHOOL	17	29	37	46	59	72						
SQUAW PEAK SCHOOL	22	34	40	53	65	79						
WILLIAM T MACHAN SCH	17	29	38	46	55	70						
DEER VALLEY UNIFIED	20	32	41	49	60	70	80	90	10.5	11.5	12.5	PHS
BARRY GOLDWATER H S									10.2	11.0		
BELLAIR SCHOOL	21	32	42	48	59	69						
CONSTITUTION SCHOOL	20	31	40	49	57	67						
DEER VALLEY HIGH SCH									10.7	11.9	12.5	PHS
DEER VALLEY JUNIOR H							81	89				
DESERT SKY JUNIOR HI							79	90				
DESERT WINDS SCHOOL	20	33	42	52	60	71						
GREENBRIER ELEMENTAR	23	34	40	46	61	72						
MIRAGE SCHOOL	20	34	42	47	61	71						
MOUNTAIN SHADOWS	19	33	39	50	58	69						
NEW RIVER SCHOOL	20	31	38	49	56	66						
PARK MEADOWS SCHOOL	19	32	37	48	63	69						
SUNRISE SCHOOL	21	30	42	50	62	72						
VILLAGE MEADOWS SCHO	19	28	41	50	59	71						
DYSART UNIFIED DISTR	16	26	36	45	55	63	74	78	8.1	8.5	9.7	10.5
DYSART HIGH SCHOOL									8.1	8.5	9.7	10.5
DYSART JR. HIGH SCHO							74	78				
EL MIRAGE SCHOOL	14	23	33	46	54	61						
LUKE SCHOOL	19	27	39	48	60	69						
SURPRISE SCHOOL	14	26	36	43	53	60						
FOUNTAIN HILLS ELEM	21	33	38	50	59	76	86	92				
FOUR PEAKS ELEMENTAR	21	36	38	47	57	75	86	92				
MCDOWELL MTN ELEMENT	21	31	39	53	61	76						
FOWLER ELEM DISTRICT	19	27	39	47	53	65	79	87				
FOWLER SCHOOL				47	53	65	79	87				
SUNRIDGE SCHOOL	19	27	39									
GILA BEND UNIFIED DI	15	23	32	43	50	61	69	79	8.8	10.2	10.9	12.2
GILA BEND HIGH SCHOO							69	79	8.8	10.2	10.9	12.2
GILA BEND SCHOOL	15	23	32	43	50	61						
GILBERT UNIFIED DIST	21	34	40	51	62	75	82	91	12.2	PHS	PHS	PHS
GILBERT HIGH SCHOOL										PHS	PHS	PHS
GILBERT JUNIOR HIGH								91	12.2			
GILBERT SCHOOL	20	34	40	49	63	76						

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
GREENFIELD SCHOOL	23	33	41	49	61	76						
MESQUITE ELEMENTARY	23	34	41	51	62	74						
MESQUITE JUNIOR HIGH							82					
NEELY SCHOOL	21	35	39	51	60	75						
PATTERSON SCHOOL	22	33	40	52	64	76						
GLENDALE ELEM DISTRI	21	31	37	48	58	67	77	87				
BICENTENNIAL SCHOOL	20	29	39	47	60	70	77	91				
DON MENSENDICK SCHOO					58	65	74	86				
GLENDALE AMERICAN SC	23	32	38	52	60	70	80	88				
GLENDALE LANDMARK	19	30	36	46	53	62	72	86				
GLENN F BURTON SCHOO	23	35	34	46	55	65	78	89				
HAROLD W SMITH SCHOO	19	30	36	43	55	61	69	78				
HORIZON SCHOOL	28	36	42	53	65	74	89	90				
ISAAC E IMES SCHOOL	19	29	33	43	53	63	74	82				
MELVIN E SINE SCHOOL	18	30	39	54	62	70	82	94				
WILLIAM C JACK SCHOO	24	33	37	48								
GLENDALE UNION HIGH									11.2	12.2	PHS	PHS
ALTERNATIVE CAMPUS									8.8	9.3	8.8	10.8
APOLLO HIGH SCHOOL									12.4	PHS	PHS	PHS
CORTEZ HIGH SCHOOL									10.2	11.7	PHS	PHS
GLENDALE HIGH SCHOOL									10.2	10.2	11.2	11.9
GREENWAY HIGH SCHOOL									11.2	12.4	PHS	PHS
INDEPENDENCE HIGH SC									10.7	10.1	11.4	12.5
MOON VALLEY HIGH SCH									11.5	12.9	PHS	PHS
SUNNYSLOPE HIGH SCHO									11.5	PHS	PHS	PHS
THUNDERBIRD HIGH SCH									11.5	12.1	PHS	PHS
WASHINGTON HIGH SCHO									11.0	12.9	12.6	PHS
HIGLEY ELEM DISTRICT	16	28	31	55	56	65	73	83				
HIGLEY SCHOOL	16	28	31	55	56	65	73	83				
HORSE MESA ACCOM SCH		24	35				60	66	6.7	6.9	9.2	
ESTRELLA MOUNTAIN HI									6.7	6.9	9.2	
HORSE MESA ACCOM SCH		24	35				60	66				
ISAAC ELEM DISTRICT	17	27	33	42	53	61	68	76				
ALTA E BUTLER SCHOOL	17	30	31	42	53	54						
ISAAC JUNIOR HIGH SC							68	76				
J B SUTTON SCHOOL	16	26	31	39	48	60						
JOSEPH ZITO SCHOOL	19	28	35	44	56	60						
MITCHELL SCHOOL	17	25	36	41	54	67						

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
P T COE SCHOOL	18	29	32	43	55	63						
KYRENE ELEM DISTRICT	21	32	40	51	62	74	83	92				
C I WAGGONER SCHOOL	20	34	38	52	63	73						
KYRENE DE LA COLINA	21	33	40	50	66	73						
KYRENE DE LA PALOMA	19	30	38	51	61	71						
KYRENE DE LAS LOMAS	20	30	41	51	62	74						
KYRENE DE LOS NINOS	22	33	41	49	61	73						
KYRENE DEL CIELO	25	35	42	54	65	77						
KYRENE DEL NORTE	22	34	38	47	61	73						
KYRENE DEL PUEBLO							84	92				
KYRENE JUNIOR HIGH S							83	91				
LAVEEN ELEM DISTRICT	15	26	34	41	51	62	68	80				
LAVEEN SCHOOL	16	27	36	43	51	65	67	81				
MC CASH SCHOOL	14	24	30	39	51	57	70	79				
LIBERTY ELEM DISTRIC	17	30	38	45	54	62	78	83				
LIBERTY SCHOOL	17	30	38	45	54	62	78	83				
LITCHFIELD ELEM DIST	24	34	42	52	62	70	87	97				
LITCHFIELD SCHOOL	25	35	43	55	64	74	91	102				
SCOTT LIBBY SCHOOL	23	31	41	46	60	67	81	89				
LITTLETON ELEM DISTR	18	28	33	42	54	59	68	81				
LITTLETON SCHOOL	18	28	33	42	54	59						
UNDERDOWN JUNIOR HIG							68	81				
MADISON ELEM DISTRIC	23	35	42	55	63	74	86	96				
MADISON HEIGHTS SCHO	22	36	44	56								
MADISON MEADOWS SCHO					66	78	87	100				
MADISON NO 1 SCHOOL					63	74	88	96				
MADISON PARK II SCHO	18	31	38	52	59	68	79	92				
MADISON RICHARD C SI	26	38	44	56								
MADISON ROSE LANE SC	24	33	41	58								
MESA UNIFIED DISTRIC	21	32	39	50	62	72	81	92	12.4	PHS	PHS	PHS
ADAMS SCHOOL	20	30	37	49	57	68						
ALMA SCHOOL	23	36	43	53	66	73						
CARSON JUNIOR HIGH S							79	90	12.1			
CRISMON SCHOOL	23	34	41	54	64	75						
DOBSON HIGH SCHOOL										PHS	PHS	PHS
EDISON SCHOOL	20	33	38	50	64	73						

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
EISENHOWER SCHOOL	19	30	35	48	57	67						
EMERSON SCHOOL	23	33	40	46	62	70						
FIELD SCHOOL	20	31	41	51	65	74						
FRANKLIN SCHOOL	27	40	45	61	71	81						
FREMONT JUNIOR HIGH							78	88	11.4			
HALE SCHOOL	23	33	41	53	64	77						
HAWTHORNE SCHOOL	20	32	38	49	63	73						
HENDRIX JUNIOR HIGH							84	93	12.6			
HIGHLAND SCHOOL	19	36	40	50	62	70						
HOLMES SCHOOL	19	29	36	44	56	69						
IRVING SCHOOL	20	32	41	55	61	73						
JEFFERSON SCHOOL	18	27	34	46	56	65						
JOHNSON SCHOOL	23	32	38	53	64	74						
JORDAN SCHOOL	22	35	44	58	67	77						
KELLER SCHOOL	19	31	40	49	61	73						
KINO JUNIOR HIGH SCH							84	95	PHS			
LEHI SCHOOL	21	29	39	54	57	64						
LINCOLN SCHOOL	17	30	36	46	53	66						
LINDBERGH SCHOOL	20	32	38	48	62	71						
LONGFELLOW SCHOOL	18	29	36	46	60	68						
LOWELL SCHOOL	17	31	38	45	56	63						
MACARTHUR SCHOOL	23	36	44	53	65	79						
MESA HIGH SCHOOL										12.6	PHS	PHS
MESA JUNIOR HIGH SCH							77	87	10.9			
MESA VISTA							63	71	6.9	8.7	8.6	9.2
MESA VO-TECH										9.5	9.7	11.2
MOUNTAIN VIEW HIGH S										PHS	PHS	PHS
POMEROY SCHOOL	23	33	38	51	62	74						
POSTON JUNIOR HIGH S							82	94	PHS			
POWELL JUNIOR HIGH S							79	87	10.9			
REDBIRD SCHOOL	21	28	39	48	61	75						
RHODES JUNIOR H.S.							85	95	PHS			
ROBSON SCHOOL	21	33	40	53	65	73						
ROOSEVELT SCHOOL	20	33	41	52	66	74						
SALK SCHOOL	20	31	36	49	56	72						
SALT RIVER VISTA										7.2	8.0	7.9
SANDRA DAY O'CONNER	20	32	41	49	60	73						
SIRRINE SCHOOL	23	35	42	50	66	75						
STEVENSON SCHOOL	17	28	38	47	55	67						
TAFT SCHOOL	20	31	35	45	54	68						
TAYLOR JUNIOR HIGH S							82	93	PHS			
WASHINGTON SCHOOL	25	36	43	53	67	79						
WEBSTER SCHOOL	18	28	37	46	57	66						

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
WESTWOOD HIGH SCHOOL										PHS	PHS	PHS
WHITMAN SCHOOL	20	28	36	48	58	71						
WHITTIER SCHOOL	22	31	40	46	61	70						
MOBILE ELEM DISTRICT	26											
MOBILE ELEMENTARY SC	26											
MORRISTOWN ELEM DIST	20	33	34	42	66	74	75	88				
MORRISTOWN ELEMENTAR	20	33	34	42	66	74	75	88				
MURPHY ELEM DISTRICT	18	26	32	43	52	62	72	79				
ALFRED F. GARCIA SCH	18	25	34	45	49	61	70	78				
ARTHUR M. HAMILTON S	14	26	30	40	53	61	70	81				
JACK L. KUBAN SCHOOL	18	27	30	43	56	63	70	80				
WILLIAM R. SULLIVAN	21	27	35	45	54	63	78	79				
NADABURG ELEM DISTRI	20	25	36	41	59	62	75	84				
NADABURG SCHOOL	20	25	36	41	59	62	75	84				
OSBORN ELEM DISTRICT	19	31	37	49	60	69	78	88				
CLARENDON SCHOOL					63	67	75	89				
ENCANTO SCHOOL	19	31	38	51								
GRANDVIEW SCHOOL					61	74	83	91				
LONGVIEW SCHOOL 1	19	29	35	45								
LONGVIEW SCHOOL 2					58	68	73	86				
SOLANO SCHOOL	19	33	38	50								
PALO VERDE ELEM DIST	22	24	33	48	57	61	74	84				
PALO VERDE SCHOOL	22	24	33	48	57	61	74	84				
PALOMA ELEM DISTRICT	28	25	31	39	52	63	69	80				
KISER ELEM.	28	25	31	39	52	63	69	80				
PARADISE VALLEY UNIF	22	35	40	51	62	73	82	91	10.8	12.7	PHS	PHS
DESERT SHADOWS SCHO	23	38	44	57	65	79						
ECHO MOUNTAIN	20	33	39	47	59	66						
MERCURY MINE SCHOOL	28	41	44	53	70	77						
SUNRISE MIDDLE							83	93				
AIRE LIBRE SCHOOL	23	34	37	48	61	73						
ARROWHEAD SCHOOL	22	31	37	50	59	69						
CAMPO BELLO SCHOOL	23	31	40	48	60	69						
DESERT COVE	25	37	43	54	65	80						
DESERT SHADOWS MIDDL							85	93				

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
DESERT SPRINGS	22	36	41	53	62	75						
EAGLE RIDGE ELEM	21	35	40	53	58	66						
GOLD DUST SCHOOL	18	35	40	52	63	75						
GREENWAY MIDDLE SCHO							79	86				
HORIZON HIGH SCHOOL									11.9	PHS	PHS	PHS
INDIAN BEND SCHOOL	20	31	40	51	59	73						
LARKSPUR SCHOOL	21	34	38	50	60	71						
LIBERTY SCHOOL	26	35	42	50	64	74						
PALOMINO SCHOOL	18	32	38	48	56	65						
PARADISE VALLEY HIGH									10.0	11.5	12.2	PHS
POLARIS SCHOOL									7.9	8.5	9.0	10.0
SANDPIPER SCHOOL	24	38	41	53	65	76						
SHADOW MOUNTAIN HIGH									11.0	12.5	PHS	PHS
SHEA MIDDLE SCHOOL							82	91				
VILLAGE VISTA SCHOOL	23	35	40	52	61	71						
PENDERGAST ELEM DIST	20	30	38	47	56	65	78	83				
DESERT HORIZON SCHOO	21	32	39	45	58	67	80	85				
PENDERGAST SCHOOL	21	30	35	45	58	62	76	85				
VILLA DE PAZ	19	31	38	49	55	68						
WESTWIND SCHOOL	19	29	38	48	54	64	75	80				
PEORIA UNIFIED DISTR	20	31	39	50	61	71	81	91	11.1	12.1	PHS	PHS
ALTA LOMA SCHOOL	18	29	36	47	59	67	80	86				
CACTUS HIGH SCHOOL									12.1	12.7	PHS	PHS
COPPERWOOD SCHOOL	20	32	40	50	64	72	81	88				
COTTON BOLL ELEM	17	28	39	50	59	71	82	91				
DESERT PALMS SCHOOL	21	32	39	49	62	73	83	93				
DESERT VALLEY ELEMEN	21	33	42	54	64	78	83					
FOOTHILLS SCHOOL	20	31	39	52	60	71	80	89				
HERITAGE SCHOOL	22	34	40	52	63	74	81	92				
IRA A MURPHY SCHOOL	17	29	41	50	60	69	75	89				
IRONWOOD HIGH SCHOOL									11.5	12.6		
KACHINA SCHOOL	22	31	40	51	63	72	85	94				
OAKWOOD	24	32	39	51	61	72	81	94				
PEORIA ELEMENTARY	17	28	36	48	55	69	80	87				
PEORIA HIGH SCHOOL									10.0	11.4	PHS	PHS
PIONEER SCHOOL	20	29	38	52	60	73	84	95				
SUNDANCE SCHOOL	19	31	41	50	59	68	81	90				
PHOENIX ELEM DISTRIC	17	26	33	42	52	61	69	79				
ANN OTT SCHOOL	17	27	37	41	49	64						
BETHUNE SCHOOL	15	25	31	37	49	60	73	81				

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
CAPITOL SCHOOL	16	30	34	48	56	69						
DUNBAR SCHOOL	15	24	29	36	61	57						
EDISON SCHOOL	17	29	35	39	50	55	67	82				
EMERSON SCHOOL	20	27	31	40	53	61						
GARFIELD SCHOOL	14	27	36	41	51	59						
KENILWORTH SCHOOL	18	23	31	44	50	62						
LOWELL SCHOOL	16	22	30	43	50	58						
MAIE BARTLETT HEARD	25	27	38	46	56	68	70	80				
SHAW SCHOOL	15	20	27	39	49	55						
SYLVESTRE HERRERA SC	15	24	33	42	55	62	68	74				
WHITTIER SCHOOL	20	31	33	44	59	69						
PHOENIX UNION HIGH S									9.1	10.3	11.0	11.5
ALHAMBRA E.S.O.									7.2	9.3	8.8	8.8
ALHAMBRA HIGH SCHOOL									9.3	10.4	11.9	12.0
B.A.C.E.									6.8	8.1	8.7	8.8
C.E.C.									7.8	8.2	7.9	
CAMELBACK HIGH SCHOO									10.0	12.1	PHS	PHS
CARL HAYDEN HIGH SCH									9.4	10.6	10.1	11.2
CENTRAL HIGH SCHOOL									9.8	11.1	PHS	PHS
CYESIS - EAST									9.6	8.6	8.4	8.9
CYESIS - WEST									7.1	8.4	10.9	11.9
HOME BOUND									8.4	8.8	8.1	9.1
MARYVALE HIGH SCHOOL									9.4	10.0	11.5	12.9
NORTH HIGH SCHOOL									9.2	9.8	10.3	11.2
SOUTH MOUNTAIN E.S.O									6.2	8.4	10.0	8.2
SOUTH MOUNTAIN HIGH									7.9	9.1	9.1	9.5
TREVOR BROWNE HIGH S									9.0	10.3	10.4	11.0
QUEEN CREEK UNIFIED	16	28	35	41	54	63	72	80	8.6	8.9	8.6	
QUEEN CREEK ELEMENTA	16	28	35	41	54	63						
QUEEN CREEK HIGH SCH									8.6	8.9	8.6	
QUEEN CREEK JR HIGH							72	80				
RIVERSIDE ELEM DISTR	13	24	33	43	53	56	70	81				
RIVERSIDE SCHOOL	13	24	33	43	53	56	70	81				
ROOSEVELT ELEM DISTR	16	25	30	42	50	60	69	78				
C J JORGENSEN SCHOOL	14	23	29	40	48	58	68	79				
C O GREENFIELD SCHOO				41	53	61	68	81				
IGNACIO CONCHOS SCHO	16	23	30	40	49	59	69	83				
JOHN F KENNEDY SCHOO	15	25	32									
JOHN R DAVIS SCHOOL	16	25	31	40	50	60	76	82				

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
MARTIN LUTHER KING J	16	23	30	45								
PALMDALE SCHOOL	15	21	28	35	47	56	67	81				
PERCY L JULIAN SCHOO					49	56	62	75				
RIO VISTA SCHOOL	17	23	31	39	50	54	72	75				
ROSE LINDA SCHOOL	14	24	30	43	52	58	69	71				
SIERRA VISTA SCHOOL	15	26	30	46	50	66	68	77				
SOUTH SCHOOL	17	27	30	37	50	57	67	79				
SOUTHWEST SCHOOL	19	30	33	48	55	70	73	80				
SUNLAND SCHOOL	18	27	31	42	50	60	70	77				
T G BARR SCHOOL	13	25	29	38	47	56	72	79				
V H LASSEN SCHOOL	15	26	31	39	50	58	70	78				
VALLEY VIEW SCHOOL	17	29	30	45	51	63	72	79				
RUTH FISHER ELEM DIS	20	31	38	55	62	67	79	85				
RUTH FISHER SCHOOL	20	31	38	55	62	67	79	85				
SCOTTSDALE UNIFIED D	24	35	43	53	65	74	85	93	PHS	PHS	PHS	PHS
ALTERNATIVE HIGH SCH									8.8	8.6	8.9	9.1
ANASAZI SCHOOL	23	36	44	52	65	73						
ARCADIA HIGH SCHOOL									12.9	PHS	PHS	PHS
CHAPARRAL HIGH SCHOO									PHS	PHS	PHS	PHS
CHEROKEE SCHOOL	28	36	45	55	67							
COCHISE SCHOOL	26	36	42	55	65							
COCOPAH MIDDLE SCHOO						78	90	99				
CORONADO HIGH SCHOOL									12.0	12.7	PHS	PHS
HOHOKAM SCHOOL	24	35	39	50	61	73						
HOPI SCHOOL	27	39	46	56	69	76						
INGLESIDE MIDDLE SCH							84	90				
KIVA SCHOOL	24	39	47	55	65	78						
MOHAVE MIDDLE SCHOOL							83	93				
NAVAJO SCHOOL	26	33	41	50	61	74						
PIMA SCHOOL	25	35	43	52	62	70						
PUEBLO SCHOOL	22	38	42	52	63	72						
SAGUARO HIGH SCHOOL									PHS	PHS	PHS	PHS
SUPAI SCHOOL							80	89				
TAVAN SCHOOL	24	33	44	50	63	73						
TONALEA SCHOOL	22	32	40	51	63	71						
TONTO SCHOOL	21	32	42	53	65	72						
YAVA PAI SCHOOL	22	33	41	49	59	70						
SENTINEL ELEM DISTRI	20	25	33	34	59	57	64	85				
SENTINEL SCHOOL	20	25	33	34	59	57	64	85				

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	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
TEMPE ELEM DISTRICT	19	30	39	49	59	71	78	88				
AGUILAR SCHOOL	18	31	39	50	59	72						
ARREDONDO SCHOOL	22	32	41	50	56	73						
BROADMOR SCHOOL	21	32	42	50	65	72						
BUSTOZ SCHOOL	22	36	46	53	67	75						
CARMINATI SCHOOL	17	31	41	50	60	73						
CONNOLLY JUNIOR HIGH							79	90				
CURRY SCHOOL	21	33	40	52	64	75						
EVANS SCHOOL	19	25	36	47	56	69						
FEES JUNIOR HIGH SCH							80	89				
FRANK SCHOOL	17	26	38	49	55	65						
FULLER SCHOOL	22	34	43	52	63	74						
GILLILAND JUNIOR HIG							74	83				
HOLDEMAN SCHOOL	20	28	37	48	59	70						
HUDSON SCHOOL	21	37	44	56	62	78						
LAIRD SCHOOL	17	28	35	48	51	72						
MCKEMY JUNIOR HIGH S							79	90				
MEYER SCHOOL	18	32	40	53	60	74						
NEVITT SCHOOL	17	29	37	47	60	68						
ROVER SCHOOL	23	31	43	57	63	76						
SCALES SCHOOL	15	22	38	42	56	66						
THEW SCHOOL	18	25	33	42	52	62						
WOOD SCHOOL	17	29	38	45	56	68						
TEMPE UNION HIGH SCH									11.5	PHS	PHS	PHS
CORONA DEL SOL HIGH									12.1	PHS	PHS	PHS
EVENING SCHOOL												11.1
MARCOS DE NIZA HIGH									11.7	PHS	PHS	PHS
MCCLINTOCK HIGH SCHO									11.4	PHS	PHS	PHS
TEMPE HIGH SCHOOL									10.5	12.1	PHS	PHS
TOLLESON ELEM DISTRI	16	33	34	44	52	63	72	79				
TOLLESON JUNIOR HIGH					52	63	72	79				
UNIT I SCHOOL	16	33	34	44								
TOLLESON UNION HIGH									9.4	10.2	11.6	11.7
TOLLESON UNION HIGH									9.4	10.2	11.6	11.7
UNION ELEM DISTRICT	25	23	30	39	48	50	65	76				
UNION SCHOOL	25	23	30	39	48	50	65	76				

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COUNTIES DISTRICTS SCHOOLS	GRADES											
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NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
WASHINGTON ELEM DIST	22	34	41	50	62	73	82	92				
ACACIA SCHOOL	24	33	44	50	64	73						
ALTA VISTA SCHOOL	20	40	44	53	64	76						
ARROYO SCHOOL	20	38	42	51	63	74						
CACTUS WREN SCHOOL	21	37	40	52	63	71						
CHAPARRAL SCHOOL	22	33	41	49	60	73						
CHOLLA SCHOOL							83	94				
DESERT FOOTHILLS SCH							84	94				
DESERT VIEW SCHOOL	16	33	40	46	61	70						
IRONWOOD SCHOOL	23	35	41	51	68	74						
JOHN JACOBS SCHOOL	23	36	41	54	64	74						
LAKEVIEW SCHOOL	24	35	40	50	61	75						
LOOKOUT MOUNTAIN SCH	24	36	44	53	69	79						
MANZANITA SCHOOL	24	34	42	50	57	73						
MARYLAND SCHOOL	21	30	35	49	58	69						
MOON MOUNTAIN SCHOOL	22	30	42	51	61	71						
MOUNTAIN SKY							85	94				
MOUNTAIN VIEW SCHOOL	17	30	36	50	59	71						
OCOTILLO SCHOOL	19	31	38	46	57	69						
ORANGEWOOD SCHOOL	22	31	40	49	58	74						
PALO VERDE SCHOOL							80	91				
RICHARD E MILLER SCH	23	35	40	52	69	78						
ROADRUNNER SCHOOL	26	35	41	52	64	76						
ROYAL PALM SCHOOL							79	90				
SAHUARO SCHOOL	24	35	39	52	58	69						
SENITA SCHOOL	22	36	39	49	62	72						
SHAW BUTTE SCHOOL	21	31	40	50	60	69						
SUNBURST SCHOOL	23	32	41	51	63	74						
SUNNYSLOPE SCHOOL	23	31	36	45	55	61						
SUNSET SCHOOL	23	34	43	51	65	73						
SWEETWATER SCHOOL	23	34	43	48	63	72						
TUMBLEWEED SCHOOL	23	33	40	54	65	72						
WASHINGTON SCHOOL	22	34	38	51	63	72						
WICKENBURG UNIFIED D	21	31	37	49	61	76	80	86	10.1	10.5	PHS	PHS
MACLENNAN SCHOOL	21	31	37									
VULTURE PEAK SCHOOL				49	61	76	80	86				
WICKENBURG HIGH SCHO									10.1	10.5	PHS	PHS
WILLIAMS AFB ACCOM S	19	34	41	54	63	73	81	88				
WILLIAMS AFB ACC SCH	19	34	41	54	63	73	81	88				

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
WILSON ELEM DISTRICT	17	26	32	46	55	63	70	83				
WILSON ELEMENTARY SC	17	26	32	46	55	63	70	83				

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GRADE EQUIVALENT

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
MOHAVE	20	30	37	48	59	67	78	86	10.2	11.1	PHS	PHS
BULLHEAD CITY ELEM D	18	28	34	46	59	67	81	87				
BULLHEAD CITY INTERM			34	46	59	67						
BULLHEAD CITY JR HIG							81	87				
BULLHEAD PRIMARY SCH	18	28										
CHLORIDE ELEM DISTRI	18	24	37	43	57	53	69	86				
MOUNT TIPTON SCHOOL	18	24	37	43	57	53	69	86				
COLORADO CITY UNIFIE	22	31	38	46	56	67	77	89	10.2	11.1	12.5	PHS
COLORADO CITY SCHOOL	22	31	38	46	56	67	77	89	10.2	11.1	12.5	PHS
HACKBERRY ELEM DISTR	18	16				62						
HACKBERRY SCHOOL	18	16				62						
KINGMAN ELEM DISTRIC	19	30	38	48	59	68	77	84				
HUALAPAI SCHOOL	19	30	39	51	60	69						
KINGMAN JUNIOR HIGH							77	84				
LA SENITA SCHOOL	18	29	36	52	59	65						
MANZANITA SCHOOL	20	34	39	47	60	71						
PALO CHRISTI SCHOOL	17	29	35	43	59	67						
LAKE HAVASU UNIFIED	23	32	41	51	62	69	79	88	10.8	11.4	PHS	PHS
HAVASUPAI SCHOOL	23	32	39	49	58	70						
LAKE HAVASU HIGH SCH									10.8	11.4	PHS	PHS
LAKE HAVASU JUNIOR H							79	88				
NAUTILUS SCHOOL	23	32	41	52	64	69						
ORO GRANDE SCHOOL	24	30	42	48	55	70						
SMOKETREE SCHOOL	20	33	41	50	63	68						
STARLINE SCHOOL	27	33	41	54	63	70						
LITTLEFIELD ELEM DIS	16	31	35	41	53	62						
LITTLEFIELD SCHOOL	16	31	35	41	53	62						
MOHAVE UNION HIGH SC									10.0	11.1	12.6	12.9
KINGMAN HIGH SCHOOL									9.9	12.0	PHS	PHS
MOHAVE HIGH SCHOOL									10.1	10.0	11.4	12.7
MOHAVE VALLEY ELEM D	17	27	32	45	54	65	74	81				
MOHAVE VALLEY SCHOOL	17	27	32	45	54	65	74	81				

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
OWENS WHITNEY ELEM D	24	25	38	48	55		69	85				
OWENS WHITNEY SCHOOL	24	25	38	48	55		69	85				
PEACH SPRINGS ELEM D	12	22	34	43	46	60	62	82				
PEACH SPRINGS SCHOOL	12	22	34	43	46	60	62	82				
VALENTINE ELEM DISTR	23	38	43	53	62	76	91					
VALENTINE SCHOOL	23	38	43	53	62	76	91					
YUCCA ELEM DISTRICT				52		65						
YUCCA SCHOOL				52		65						

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GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
NAVAJO	19	28	36	45	55	65	75	83	9.0	10.1	10.7	11.9
BLUE RIDGE UNIFIED	21	31	39	49	60	70	83	86	9.1	10.6	11.5	12.9
BLUE RIDGE ELEMENTAR	21	31	39									
BLUE RIDGE HIGH SCHO									9.1	10.6	11.5	12.9
BLUE RIDGE JUNIOR HI							83	86				
BLUE RIDGE MIDDLE				49	60	70						
CEDAR UNIFIED DISTRI	14	21	27	36	45	52	62	66	6.5			
JEDDITO SCHOOL	16	19	29	39	49	53	65	68	6.4			
PINON SCHOOL	13	22	26	33	44	52	60	65	6.5			
HOLBROOK UNIFIED	19	30	36	49	57	66	77	82	8.9	9.5	10.1	10.6
HOLBROOK HIGH SCHOOL									8.9	9.5	10.1	10.6
HOLBROOK JUNIOR HIGH						66	77	82				
HULET SCHOOL	19	31	36	49	56							
PARK SCHOOL	20	30	36	49	59							
WOODRUFF SCHOOL	18	32										
JOSEPH CITY UNIFIED	20	30	37	49	52	69	74	81	10.7	12.9	PHS	PHS
JOSEPH CITY ELEMENTA	20	30	37	49	52	69						
JOSEPH CITY HIGH SCH							74	81	10.7	12.9	PHS	PHS
KAYENTA UNIFIED DIST	18	24	34	41	53	61	69	85	8.8	9.4	9.9	10.2
KAYENTA INTERMEDIATE			34	41	53							
KAYENTA MIDDLE SCHOO						61	69	85				
KAYENTA PRIMARY SCHO	18	24										
MONUMENT VALLEY HIGH									8.8	9.4	9.9	10.2
SHOW LOW UNIFIED DIS	21	33	37	48	57	69	81	88	12.1	11.2	11.9	12.6
SHOW LOW HIGH SCHOOL									12.1	11.2	11.9	12.6
SHOW LOW JUNIOR HIGH						69	81	88				
SHOW LOW SCHOOL	21	33	37	48	57	77						
SNOWFLAKE UNIFIED DI	20	28	37	49	58	71	80	88	9.4	11.6	12.1	PHS
CAPPS SCHOOL	22	33	39	48	63	71	77	84				
HIGHLAND PRIMARY SCH	20	28	37						9.4	11.6	12.1	PHS
SNOWFLAKE INTERMEDIA				50	59	71						
SNOWFLAKE JUNIOR HIG							80	88				
TAYLOR SCHOOL	20	29	36	47	52	71						

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
WHITERIVER UNIFIED D	14	23	30	36	47	58	65	72	7.4	7.7	8.8	8.9
ALCHESAY HIGH SCHOOL									7.4	7.7	8.8	8.9
SEVEN MILE SCHOOL	12	22	26	39	47	56						
WHITERIVER JUNIOR HI							65	72				
WHITERIVER SCHOOL	15	23	32	35	48	59						
WINSLOW UNIFIED DIST	23	31	38	48	58	67	75	84	9.3	10.3	10.5	12.6
BONNIE BRENNAN SCHOO	19	33	38	46	63	67						
JEFFERSON SCHOOL	24	32	37	48	55	64						
WASHINGTON SCHOOL	24	29	39	49	57	69						
WINSLOW HIGH SCHOOL									9.3	10.3	10.5	12.6
WINSLOW JUNIOR HIGH							75	84				

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
PIMA	21	31	38	48	59	69	77	86	9.9	11.7	PHS	PHS
AJO UNIFIED DISTRICT	17	24	40	48	59	67	79	85	9.2	9.5	10.5	10.9
AJO HIGH SCHOOL									9.2	9.5	10.5	10.9
AJO SCHOOL	17	24	40	48	59	67	79	85				
AMPHITHEATER UNIFIED	23	34	41	51	61	72	80	89	11.9	PHS	PHS	PHS
AMPHITHEATER EVENING									7.6	9.0	9.1	8.8
AMPHITHEATER HIGH SC									11.2	PHS	PHS	PHS
AMPHITHEATER JR HIGH							76	84				
CANYON DEL ORO HIGH									12.7	PHS	PHS	PHS
CORONADO SCHOOL	27	33	44	50	60	68						
E C NASH SCHOOL	18	28	38	45	53	70						
F O HOLAWAY SCHOOL	23	34	42	53	64	73						
HELEN KEELING SCHOOL	20	35	37	50	57	66						
L M PRINCE SCHOOL	23	30	36	49	59	68						
LAWRENCE W CROSS JR							85	95				
LULU WALKER SCHOOL	26	33	40	51	59	69						
MARION DONALDSON SCH	21	36	43	53	65	76						
MESA VERDE SCHOOL	23	35	42	53	65	78						
RIO VISTA ELEMENTARY	20	37	40	48	59	74						
WINIFRED HARELSON SC	24	37	43	54	66	77						
CATALINA FOOTHILLS U	27	36	45	55	68	78	84	99				
MANZANITA SCHOOL	26	36	44	54	68	75						
ORANGE GROVE JR HIGH							84	99				
SUNRISE DRIVE SCHOOL	29	35	46	56	68	80						
CONTINENTAL ELEM DIS	22	35	40	40	78	72	86	92				
CONTINENTAL SCHOOL	22	35	40	40	78	72	86	92				
FLOWING WELLS UNIFIE	21	30	39	50	59	69	78	86	9.8	11.0	11.4	12.4
FLOWING WELLS HIGH S									9.8	11.0	11.4	12.4
FLOWING WELLS JR HIG						69	78	86				
HOMER DAVIS SCHOOL	22	28	41	48	58							
INSCAPE SCHOOL									7.3	7.0		
LAGUNA SCHOOL	19	28	35	47	59							
ROBERT RICHARDSON SC	21	33	41	54	61							
WALTER DOUGLAS SCHOO	20	30	37	49	59							
INDIAN OASIS-BABOQUI	14	26	30	40	48	55	65	74	7.0	7.9	8.2	8.0
BABOQUIVARI JR HIGH							65	74				

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
BABOQUIVARI SR HIGH									7.0	7.9	8.2	8.0
INDIAN OASIS PRIMARY	14	26	30									
TOPAWA MIDDLE				40	48	55						
MARANA UNIFIED DISTR	21	32	39	50	59	70	78	87	9.9	11.1	PHS	12.6
BUTTERFIELD SCHOOL	21	33	39	49								
DEGRAZIA SCHOOL	22	32	41	54								
DESERT WINDS SCHOOL	19	38	38	50	58							
ESTES SCHOOL	19	28	34	45	60							
MARANA HIGH SCHOOL									9.0	11.1	PHS	12.6
MARANA JR HIGH SCHOO						68	74	84				
MOUNTAIN VIEW SCHOOL							80	88	10.4			
ROADRUNNER SCHOOL	19	32	39	47	57							
THORNYDALE SCHOOL	22	30	39	52								
TORTOLITA JR HIGH SC					59	71						
MARY E DILL ELEM DIS	17	30	37	45	55	68	77	90				
MARY E DILL SCHOOL	17	30	37	45	55	68	77	90				
SAHUARITA UNIFIED DI	22	34	40	50	59	68	76	87	9.9	11.5	12.1	PHS
SAHUARITA HIGH SCHOO									9.9	11.5	12.1	PHS
SAHUARITA JR HIGH SC						68	76	87				
SAHUARITA SCHOOL	21	34	40	48	59							
SOPORI SCHOOL	24	34	39	51	62							
SAN FERNANDO ELEM DI				51			80					
SAN FERNANDO SCHOOL				51			80					
SUNNYSIDE UNIFIED DI	20	30	37	46	58	65	74	82	8.8	10.7	12.6	12.7
APOLLO JR HIGH SCHOO							72	79				
CHAPPARRAL JR HIGH S							74	84				
CRAYCROFT SCHOOL	23	34	33	45	53	61						
DESERT VIEW HIGH SCH									8.8	10.4	12.1	12.5
DREXEL SCHOOL	20	31	36	47	56	61						
ELVIRA SCHOOL	19	29	40	42	59	63						
ESPERANZA SCHOOL	20	31	39	53	60	65						
GALLEGO SCHOOL	20	32	40	50	63	76						
LIBERTY SCHOOL	16	28	34	44	52	63						
LOS NINOS SCHOOL	22	31	34	47	61	64						
LOS RANCHITOS SCHOOL	20	28	35	42	55	68						
MISSION MANOR SCHOOL	21	29	37	46	58	67						
SANTA CLARA SCHOOL	20	28	35	46	55	65						
SUNNYSIDE HIGH SCHOO									8.9	11.0	PHS	12.9

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
SUNNYSIDE MIDDLE SCH						63	76	84				
VALENCIA SCHOOL				25	56	45	64	70				
TANQUE VERDE UNIFIED	22	37	43	53	62	78	81	92	11.5			
AGUA CALIENTE SCHOOL	22	36	42	56	63	79						
EMILY GRAY JR HIGH S							81	92	11.5			
TANQUE VERDE SCHOOL	22	38	44	51	61	76						
TUCSON UNIFIED DISTR	21	30	37	47	58	68	77	86	9.9	11.5	PHS	PHS
BASIC CURRICULUM							76					
BLENMAN SCHOOL	20	29	36	47	57	69						
BLOOM SCHOOL	23	33	39	49	60	73						
BONILLAS SCHOOL	22	33	39	49	62	74						
BOOTH SCHOOL	24	34	40	50	57							
BORMAN SCHOOL	18	30	36	46	58	68						
BORTON SCHOOL	21	33	33									
BRICHTA SCHOOL	19	29	35	45	63	74						
CARRILLO SCHOOL				46	55	67						
CARSON JUNIOR HIGH S						66	79	84				
CATALINA HIGH SCHOOL									9.3	11.1	12.7	PHS
CAVETT SCHOOL	17	28	29	39	46	60						
CHOLLA HIGH SCHOOL									8.8	9.9	10.9	12.5
COLLIER SCHOOL	23	36	40	52	60	74						
CORBETT SCHOOL	22	30	39	48	64	73						
CRAGIN SCHOOL	20	33	37	48	62	71						
DAVIDSON SCHOOL	18	28	38	49	60							
DAVIS SCHOOL	26	34	36	45	60	66						
DIETZ SCHOOL	21	36	36	47	58	67						
DOOLEN JR HIGH SCHOO						68	76	86				
DRACHMAN SCHOOL	22	28	33									
DUFFY SCHOOL	20	29	38	46	62	70						
DUNHAM SCHOOL	19	31	38	49	62							
ERICKSON SCHOOL	22	30	33	43	57	65						
EXTENDED DAY PROGRAM										6.7	11.9	8.6
FICKETT JR HIGH SCHO						68	79	90				
FORD SCHOOL	19	30	38	46	58	72						
FRUCHTHENDLER SCHOOL	27	36	46	59	69	84						
FT LOWELL SCHOOL	19	27	36	46	62	74						
GALE SCHOOL	24	37	39	50	63	72						
GRIDLEY JR HIGH SCHO						72	79	91				
HENRY SCHOOL	25	33	42	51	63							
HOLLADAY SCHOOL				46	59	68						
HOLLINGER SCHOOL	23	24	32	38	48	60						

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
HOWELL SCHOOL	24	30	38	48	67	71						
HOWENSTINE							68	71	6.2			
HUDLOW SCHOOL	20	28	39	52	63	84						
HUGHES SCHOOL	21	29	40	53	67	73						
JEFFERSON PARK SCHOO	17	34	43	46	49	69						
JUNIOR HIGH ACCOMMOD							66	66				
KEEN SCHOOL	19	31	36	46	59	64						
KELLOND SCHOOL	23	29	37	48	55	74						
LAWRENCE SCHOOL	19	29	32	42	52	59						
LINEWEAVER SCHOOL	27	39	45	51	68	80						
LYNN SCHOOL	17	30	35	45	55	63						
LYONS SCHOOL	17	31	37	45	59							
MAGEE JR HIGH SCHOOL							85	94				
MANSFELD JR HIGH SCH							77	87				
MANZO SCHOOL	17	24	31	40	50	60						
MARSHALL SCHOOL	23	29	40	52	62	74						
MAXWELL JR HIGH SCHO							76	83				
MENLO PARK SCHOOL	21	33	32	45	55	65						
MILES EXPLORATORY LE	16	26	33	45	59	71	69	71				
MILLER SCHOOL	16	29	35	45	55	66						
MISSION VIEW SCHOOL	17	24	31	37	47	61						
MYERS SCHOOL	21	28	32	46	62	64						
NAYLOR JR HIGH SCHOO							74	82				
OCHOA SCHOOL	21	26	31	37	59	66						
PALO VERDE HIGH SCHO									10.3	10.8	12.2	PHS
PISTOR JR HIGH SCHOO							72	80				
PROJECT MORE									7.2	8.7	8.9	10.9
PUEBLO GARDENS SCHOO	23	26	29	41	48	57						
PUEBLO HIGH SCHOOL									8.2	8.9	10.1	10.2
REYNOLDS SCHOOL	19	30	38	49	57	68						
RICHEY SCHOOL	19	23	37	48	54	64						
RINCON HIGH SCHOOL									9.5	11.7	12.4	PHS
ROBERTS SCHOOL	20	25	32	43	53	63						
ROBISON SCHOOL	21	27	32	47	53	71						
ROGERS SCHOOL	20	33	42	54	61	75						
ROSE SCHOOL	19	28	36	42	52	63						
ROSKRUGE SCHOOL	22	29	37	42	56	59						
SABINO HIGH SCHOOL									11.6	PHS	PHS	PHS
SAFFORD ELEM SCHOOL	18	24	31	41	52							
SAFFORD JR HIGH SCHO						58	73	82				
SAHUARO HIGH SCHOOL									11.1	PHS	PHS	PHS
SANTA RITA HIGH SCHO									9.5	11.7	PHS	PHS
SCHUMAKER SCHOOL	25	31	39	54	62	74						

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
SECRIST JR HIGH SCHO						68	82	91				
SENIOR HIGH ACCOMODA									7.6	PHS	7.2	8.2
SEWELL SCHOOL	26	32	40	52	66	73						
SMITH SCHOOL	20	28	34	49	61	67						
STEELE SCHOOL	24	30	38	51	59	71						
TEEN-AGE PARENT PROG									6.3	8.8	8.4	9.8
TOLSON SCHOOL	16	28	39	48	57	68						
TOWNSEND JR HIGH SCH							82	90				
TRANSITION									8.1	8.2	8.4	10.4
TUCSON HIGH SCHOOL									9.2	10.4	11.6	12.9
TULLY SCHOOL	25	29	37	47	57	61						
UNIVERSITY HIGH SCHO									PHS	PHS	PHS	PHS
UTTERBACK JR HIGH SC							78	86				
VAIL JR HIGH SCHOOL							82	88				
VAN BUSKIRK SCHOOL	15	24	33	44	50	66						
VAN HORNE SCHOOL	21	32	41	51	60	76						
VESEY SCHOOL	20	26	36	46	56	64						
WAKEFIELD JR HIGH SC							68	75				
WARREN SCHOOL	17	23	30	45	52	67						
WHEELER SCHOOL	21	34	41	48	61	75						
WHITE SCHOOL	20	26	34	45	55	66						
WHITMORE SCHOOL	24	32	43	53	65	75						
WRIGHT SCHOOL	21	30	39	47	59	66						
WRIGHTSTOWN SCHOOL	22	36	40	51	61	74						
VAIL ELEM DISTRICT	22	29	38	50	62	73	78	93				
VAIL SCHOOL	22	29	38	50	62	73	78	93				

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
PINAL	18	28	35	45	56	66	72	80	8.6	9.8	10.8	11.2
APACHE JUNCTION UNIF	18	30	35	47	59	73	75	83	9.2	10.8	12.6	12.5
APACHE JUNCTION HIGH									9.2	10.8	12.6	12.5
APACHE JUNCTION JR H							75	83				
FOUR PEAKS SCHOOL	18	30	33	45	61	73						
GOLD CANYON ELEMENTA	18	32	36	47	61	77						
SUPERSTITION MOUNTAI	20	29	36	48	54	68						
CASA GRANDE ELEM DIS	18	28	37	46	56	67	71	82				
CASA GRANDE JR HIGH							71	82				
CHOLLA SCHOOL	18	28	38	45	58	68						
COTTONWOOD SCHOOL	17	26	37	46	56	68						
EVERGREEN SCHOOL	21	28	36	52	58	71						
OCOTILLO SCHOOL	15	23	35	45	49	62						
PALO VERDE SCHOOL	17	29	35	42	53	61						
SAGUARO SCHOOL	18	30	38	45	56	68						
CASA GRANDE UNION HI									8.6	10.5	11.4	12.0
CASA GRANDE UNION A									8.6	10.6	11.4	12.1
CASA GRANDE UNION B									7.7	7.2	9.4	8.9
COOLIDGE UNIFIED DIS	19	29	37	48	56	68	73	78	8.3	8.6	9.5	10.8
COOLIDGE CENTRAL SCH					56	68	73	78				
COOLIDGE HIGH SCHOOL									8.3	8.6	9.5	10.8
NORTH SCHOOL				48								
WEST SCHOOL	19	29	37									
ELOY ELEM DISTRICT	14	24	31	42	52	61	69	75				
CURIEL SCHOOL	14	24	31									
ELOY INTERMEDIATE				42	52	61						
ELOY JUNIOR HIGH SCH							69	75				
FLORENCE UNIFIED DIS	17	26	35	45	53	60	67	81	9.0	10.0	10.6	11.9
FLORENCE ELEMENTARY	17	26	35	45	53							
FLORENCE HIGH SCHOOL						60	67	81	9.0	10.0	10.6	11.9
J O COMBS ELEM DISTR	21	26	39	48	53	60	72	79				
J O COMBS SCHOOL	21	26	39	48	53	60	72	79				
MAMMOTH SAN MANUEL U	19	27	34	44	57	65	73	80	8.2	9.1	10.1	10.5
AVENUE B SCHOOL				44	56	63						

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
FIRST AVENUE SCHOOL	19	27	34									
GARDNER MIDDLE SCHOO							73	80				
MAMMOTH SCHOOL	18	26	36	46	57	67						
SAN MANUEL HIGH SCHO									8.2	9.1	10.1	10.5
MARICOPA UNIFIED DIS	18	24	34	44	54	61	73	78	8.2	9.0	9.3	8.9
MARICOPA HIGH SCHOOL									8.2	9.0	9.3	8.9
MARICOPA SCHOOL	18	24	34	44	54	61	73	78				
MARY C O'BRIEN ELEM	16	32	33	44	52	59						
MARY C O'BRIEN SCHOO	16	32	33	44	52	59						
ORACLE ELEM DISTRICT	18	27	33	45	58	63	74	84				
ORACLE SCHOOL	18	27	33	45	58	63	74	84				
PICACHO ELEM DISTRIC	18	27	34	39	42	52	69	73				
PICACHO SCHOOL	18	27	34	39	42	52	69	73				
RAY UNIFIED DISTRICT	22	34	36	43	58	72	77	80	9.2	10.2	11.6	12.6
KEARNY ELEMENTARY					58	72	77	80				
KEARNY PRIMARY	22	34	36	43								
RAY HIGH SCHOOL									9.2	10.2	11.6	12.6
RED ROCK ELEM DISTRI	23	31	37	47	62	70	67	97				
RED ROCK SCHOOL	23	31	37	47	62	70	67	97				
SACATON ELEM DISTRIC	13	24	30	39	47	57	65	74				
SACATON ELEMENTARY	13	24	30	39	47							
SACATON MIDDLE						57	65	74				
SANTA CRUZ VLY U H S									7.3	8.0	8.7	9.6
SANTA CRUZ VALLEY HI									7.3	8.0	8.7	9.6
STANFIELD ELEM DISTR	16	31	33	44	53	58	71	76				
STANFIELD SCHOOL	16	31	33	44	53	58	71	76				
SUPERIOR UNIFIED DIS	17	27	34	43	54	59	72	78	8.9	9.2	11.1	11.0
KENNEDY SCHOOL	17	27	34	43	54	59						
ROOSEVELT SCHOOL							72	78				
SUPERIOR HIGH SCHOOL									8.9	9.2	11.1	11.0
TOLTEC ELEM DISTRICT	17	28	36	42	60	66	76	92				
TOLTEC SCHOOL	17	28	36	42	60	66	76	92				

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
SANTA CRUZ	17	28	35	44	53	62	71	79	8.4	9.5	10.8	11.5
NOGALES UNIFIED DIST	16	28	34	44	52	60	70	77	8.3	9.4	10.7	11.5
A. J. MITCHELL SCHOO	14	26	33	44	52							
CHALLENGER ELEMENTAR	18	31	34	43	52							
LINCOLN SCHOOL	16	26	34	43	51							
MARY WELTY SCHOOL	18	30	35	45	53							
NOGALES HIGH SCHOOL									8.3	9.4	10.7	11.5
PIERSON MIDDLE SCHOO						62	70	75				
WADE CARPENTER MIDDL						59	71	79				
PATAGONIA ELEM DISTR	16	33	40	54	65	81						
PATAGONIA SCHOOL	16	33	40	54	65	81						
PATAGONIA UNION HIGH							74	81	9.9	12.4	11.1	11.0
PATAGONIA HIGH SCHOO							74	81	9.9	12.4	11.1	11.0
SANTA CRUZ ELEM DIST	20	28	40	46	51	69	76	90				
SANTA CRUZ SCHOOL	20	28	40	46	51	69	76	90				
SANTA CRUZ VALLEY UN	21	26	37	45	55	62	76	86				
CALABASAS SCHOOL			37	45	55	62	76	86				
TUBAC SCHOOL	21	26										
SONOITA ELEM DISTRIC	23	33	38	53	60	74	91	96				
ELGIN SCHOOL	23	33	38	53	60	74	91	96				

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
YAVAPAI	21	31	38	49	60	70	78	88	10.5	11.6	PHS	PHS
ASH FORK UNIFIED DIS	18	33	33	51	60	61	68	75	9.6	12.2	12.5	10.7
ASH FORK HIGH SCHOOL									9.6	12.2	12.5	10.7
ASH FORK SCHOOL	18	33	33	51	60	61	68	75				
BAGDAD UNIFIED DISTR	19	33	36	48	58	67	81	86	9.3	11.9	11.1	PHS
BAGDAD HIGH SCHOOL									9.3	11.9	11.1	PHS
DAVID C LINCOLN SCHO	19	33	36	48	58	67	81	86				
BEAVER CREEK ELEM DI	21	29	36	45	56	63	74	86				
BEAVER CREEK SCHOOL	21	29	36	45	56	63	74	86				
CAMP VERDE UNIFIED D	22	31	36	48	56	69	76	89	9.6	10.1	12.2	12.7
CAMP VERDE HIGH SCHO									9.6	10.1	12.2	12.7
CAMP VERDE SCHOOL	22	31	36	48	56	69	76	89				
CANON ELEM DISTRICT	24	23	38	52	55	60	69	83				
CANON JR. HIGH SCHOO						60	69	83				
CANON SCHOOL	24	23	38	52	55							
CHINO VALLEY UNIFIED	20	30	37	49	60	72	78	86				
CHINO VALLEY UNIFIED									9.4			
CHINO VALLEY SCHOOL						72	78	86				
CHINO VALLEY SCHOOL									9.4			
DEL RIO SCHOOL	20	30	37	49	60							
CLARKDALE-JEROME ELE	20	31	38	46	59	66	78	80				
VERDE SCHOOL	20	31	38	46	59	66	78	80				
COTTONWD OAK CRK ELE	20	30	38	47	59	69	78	88				
CLEMENCEAU SCHOOL					56	68						
COTTONWOOD ELEM SCHO	20	31	38	46								
COTTONWOOD JR HIGH S							79	88				
OAK CREEK SCHOOL	20	30	36	44	58	68	78	85				
WEST SEDONA SCHOOL	23	29	38	52	68	77						
CROWN KING ELEM DIST	25				66							
CROWN KING SCHOOL	25				66							

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COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
HILLSIDE ELEM DISTRI	20	43	37	46								
HILLSIDE SCHOOL	20	43	37	46								
HUMBOLDT UNIFIED DIS	22	34	41	49	62	68	76	84	9.5	10.3	PHS	12.5
BRADSHAW MOUNTAIN HI									9.5	10.3	PHS	12.5
HUMBOLDT JUNIOR HIGH						68	76	84				
LAKE VALLEY SCHOOL	22	34	41	49	62							
KIRKLAND ELEM DISTRI	19		33	58	56	64						
KIRKLAND SCHOOL	19		33	58	56	64						
MAYER UNIFIED DISTRI	20	33	40	42	61	70	74	88	8.0	11.0	11.9	11.9
MAYER HIGH SCHOOL									8.0	11.0	11.9	11.9
MAYER SCHOOL	20	33	40	42	61	70	74	88				
MINGUS UNION HIGH SC									12.1	12.4	PHS	PHS
MINGUS UNION HIGH SC									12.1	12.4	PHS	PHS
PRESCOTT UNIFIED DIS	21	32	40	50	62	74	81	92	11.1	12.1	PHS	PHS
DEXTER SCHOOL	19	27	40	51	59	74						
GRANITE MOUNTAIN JR							83	93	PHS			
LINCOLN SCHOOL	18	34	38	50	63	75						
MILLER VALLEY SCHOOL	22	30	41	52	67	72						
PRESCOTT HIGH SCHOOL										12.1	PHS	PHS
PRESCOTT JUNIOR HIGH							80	90	10.2			
TAYLOR HICKS SCHOOL	21	36	44	50	64	74						
WASHINGTON SCHOOL	21	30	37	48	58	78						
SELIGMAN UNIFIED DIS	23	29	35	43	55	64	83	89	8.8	9.9	11.4	PHS
SELIGMAN HIGH SCHOOL									8.8	9.9	11.4	PHS
SELIGMAN SCHOOL	23	29	35	43	55	64	83	89				
SKULL VALLEY ELEM DI	25	23	33	41	55	56						
SKULL VALLEY SCHOOL	25	23	33	41	55	56						
YARNELL ELEM DISTRIC	20	32	34	48	53	56						
YARNELL SCHOOL	20	32	34	48	53	56						

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GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
YUMA	19	28	36	45	55	66	75	84	9.5	10.5	11.4	12.1
ANTELOPE UNION HIGH									8.5	9.3	9.7	10.0
ANTELOPE UNION HIGH									8.5	9.3	9.7	10.0
CRANE ELEM DISTRICT	21	30	38	47	57	70	78	86				
CRANE PUEBLO SCHOOL	19	31	38	48	55	68						
CRANE RANCHO/VIEJO S	20	28	36	45	57	66						
H L SUVERKRUP SCHOOL							78	86				
RONALD REAGAN FUNDAM	24	36	41	52	61	81						
GADSDEN ELEM DISTRIC	11	20	28	37	45	58	70	79				
GADSDEN SCHOOL			28	37	45	58	70	79				
RIO COLORADO ELEM	11	20										
HYDER ELEM DISTRICT	15	25	31	43	55	60	74	80				
DATELAND SCHOOL	15	25	31	43	55	60	74	80				
MOHAWK VALLEY ELEM D	20	27	35	42	53	67	71	92				
MOHAWK VALLEY SCHOOL	20	27	35	42	53	67	71	92				
SOMERTON ELEM DISTRI	16	24	31	39	49	62	72	83				
ORANGE GROVE ELEMENT	14	24	31	39	54	64						
SOMERTON ELEMENTARY	17	23	31	39	48	61	72	83				
WELLTON ELEM DISTRIC	20	28	35	42	58	68	72	82				
WELLTON SCHOOL	20	28	35	42	58	68	72	82				
YUMA ELEM DISTRICT	18	28	37	47	57	66	74	84				
ALICE BYRNE SCHOOL	21	31	36	49	60							
C W MCGRAW SCHOOL	20	26	40	51	56	69						
CARVER SCHOOL	16	26	33	40	53							
FOURTH AVE JR HIGH S							69	80				
GILA VISTA JR HIGH S							78	89				
GWYNETH HAM SCHOOL	21	31	37	43	57	66						
JAMES B ROLLE SCHOOL	19	29	40	50	62	71						
JAMES D PRICE SCHOOL	21	27	34	44	58	62						
MARY E POST SCHOOL				45	53	63						
O C JOHNSON SCHOOL	19	30	38	47	57	65						
PALMCROFT SCHOOL	19	28	37	46	56							
PECAN GROVE SCHOOL	15	28	34	45	57							
ROOSEVELT SCHOOL	15	24	34									

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GRADE EQUIVALENT

APRIL 1987

COUNTIES DISTRICTS SCHOOLS	GRADES											
	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN	ELEVEN	TWELVE
NATIONAL	19	29	38	48	58	68	78	86	9.9	10.7	12.0	12.4
STATEWIDE	20	31	38	48	59	69	78	87	10.2	11.6	12.9	PHS
WOODARD JR HIGH SCHO						62	78	85				
YUMA UNION HIGH SCHO									9.6	10.6	11.5	12.2
KOFA HIGH SCHOOL									9.4	10.6	11.9	12.7
YUMA HIGH SCHOOL									9.9	10.6	11.0	11.7